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Vaughan's

GARDENING ILLUSTRATED

10 W. RANDOLPH ST., CHICAGO 1.
47 BARCLAY STREET, NEW YORK 7.

70TH YEAR • 1946



DR. F. E. BENNETT



MINUET



PICARDY



MAID OF ORLEANS



BEACON

Vaughan's FAMOUS RAINBOW Garden of Gladioli

FIFTY Flowering size bulbs, ten each of the five outstanding varieties illustrated on this page. Each variety separately bagged and labeled. Prepaid 600 miles for **\$2.00**

WITH Victory accomplished we are eager to return to the ways of peace but it will be some time before the flowers in our gardens can be restored to prewar abundance.

Reconversion of the thousands of acres which war caused to be diverted from growing flowering plants, seeds and bulbs, to the production of food, will take more time, even, than the change-over of manufacturing plants from building tanks to pleasure cars.

In the face of scarcities, the demand for flowers is huge; and this increased the difficulties we have met in providing bulbs for our Rainbow Garden of gladioli which for so many years we have maintained, as the best gladiolus value available to American home gardeners.

In spite of all this we make no increase in the price of our Rainbow Garden collection, over last year, and the quality in our opinion is improved.

This year's collection is the best value we have ever offered. It may be impossible to match it for many years; and the bulbs which you will harvest, after you have enjoyed the flowers, should show a substantial profit on your investment.

The scarcity of seeds, bulbs and plants of all ornamentals in the face of unprecedented demand has caused a flood of substandard material to be offered, but not by us. We maintain the quality upon which our customers have depended for seventy years. It will be found that lower prices obtained by the sacrifice of quality will be more costly in the end.

Bulbs used in our Rainbow Garden of Gladiolus, this

Half Portion
25 Bulbs, 5 each
of Same 5 Varieties

25 BULBS for \$1.00

of Famous Rainbow
Prepaid 600 Miles
for \$1.00.

year as in the past, are not first size, but they are of flowering size, and the kind we use in growing exhibition flowers. They take a little longer to bloom than larger bulbs may, but the size and quality of the flowers and the crop of bulbs produced for next year's planting, are equal to the products of the largest bulbs.

This year we offer 50 bulbs, 10 each of the following 5 varieties, prepaid to 600 miles of Chicago, Ill.

Beacon. Tall, giant flowered salmon-scarlet, one of the largest of all. As the illustration shows its magnificent spikes will show ten florets fully open before the bottom floret

fades, giving a stunning plume of color.

Dr. F. E. Bennett. Vigorous grower of largest size, bearing well-formed spike of scarlet florets, with faint white markings in throat. A consistent ribbon winner.

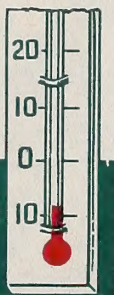
Maid of Orleans. This milky white variety, with cream throat, was bred by Pfister, and has the enormous florets which characterize his creations. It is one of the finest of the new whites.

Minuet. Giant flower of true orchid coloring, which has held first rank in its color class for years and is still unsurpassed. Its tall spike has florets perfectly placed, and it is always a vigorous grower.

Picardy. No collection would be complete without Picardy, which is still undisputed champion of all. Supreme in its delicate coloring of apricot pink, it is also a giant in size, and a model in form with its perfectly placed florets, of which ten open before the first fades.

SUB-ZERO ROSES

3 for \$5.50



Everblooming Hybrid Tea Rose
Collection 1B

Not Available After April 1st

A new race bred from Northern native species that have beautiful flowers and that bloom freely and constantly all summer. They are easy to grow, have great vigor and live for many years, even in sub-zero winters.

PINK PRINCESS (Pat. 459). Red buds open to large double, high centered, fragrant flowers of deep rose-pink with copper shadings. Famous as the first Hybrid Tea rose, free from premature defoliation.

SHADES OF AUTUMN (Pat. 542). Brilliant new bicolor with orange-copper and carmine shadings. Beautiful, fragrant flowers produced continuously all season. Disease resistant foliage.

V FOR VICTORY (Pat. 543). One of the finest roses in existence. The color is a real yellow, with fragrant, unfading flowers developing from fine buds. The flowers are sometimes 5 inches in diameter, on long stiff stems and are excellent for cutting.

**ALL AMERICAN
Winners!**
3 for \$4.90

(Value \$5.30) All America Rose Selections.
Everblooming Hybrid Tea Rose
Collection 1C

These are Roses selected by the Rose Council after two-year tests in 18 Official All America Rose Selection test gardens. Only a rose that gives good results in all parts of the country can pass their rigid tests.

GRAND DUCHESS CHARLOTTE (AARS 1943). (Patent Applied For). Truly an aristocrat providing a shade of red never before seen in the rose world. The long streamlined buds of magnificent Morocco-red open to firm-petaled blooms of dusky coral-red which do not fade but gradually merge to a lovely coral-pink. \$1.65; 3 for \$4.50.

HEART'S DESIRE (AARS 1942). (Patent 501). Here is a rose that has everything. Color, a pure even shade of luminous red which does not blue or burn, even in the hottest weather. A small vase of flowers will perfume a whole room. It has rich foliage and produces quantities of flowers on long cutting stems all season. It has vigor, being a strong grower like Radiance and Crimson Glory, its parents. \$1.65; 3 for \$4.50.

MME. CHIANG KAI-SHEK. "The First Lady of China." (AARS 1944). (Pat Applied For). "The honor rose for 1944." It has long, pointed buds of light yellow which open full to beautifully formed, creamy yellow, long stemmed flowers over dark green, disease resistant foliage. \$2.00; 3 for \$5.00.

Everblooming
Hybrid Tea

ROSES

5 FOR
\$6.50

Roses Sold Out!
We are sorry to announce that as this catalogue is mailed we have on hand more orders for roses than we can fill. This is due to extremely short delivery by our growers, and applies both to collections offered on this page, and all varieties and offers listed on pages 100 and 101. Please therefore omit all roses from your order.

ROSE
POINSETTIA



ALL these Roses will bloom in your garden this summer. Plant according to simple directions furnished with the plants. Before winter comes they should have borne for you hundreds of lovely blossoms, beginning in June and continuing without interruption until killing frosts. Our plants are finest two year budded plants that are produced. The varieties are of the newest type, some of the very latest to make their debuts. Plant dormant Rose bushes as soon as the soil thaws and dries out enough to be prepared properly. As soon as dormant Roses are properly pruned and planted, hill them up with 3 or 4 inches of moist soil. This keeps the wind from drying the plants and helps them to leaf out more quickly. Remove the soil gradually as the plants begin to grow.

One Each of These Five Varieties Value \$7.05 for \$6.50, by Express (Collection 1A)

CHRISTOPHER STONE. Classed with Etoile de Hollande and Crimson Glory as one of the three finest red roses in existence. All season the fine plants produce quantities of brilliant, glowing, velvety scarlet blooms of good form and delicious old rose fragrance. Rated by the rose experts as being one of the 10 best roses introduced in the last 10 years. \$1.50; 3 for \$4.25.

CONDESA de SASTAGO. Everyone likes this spectacular Rose with its cupped flowers of orange-scarlet on the inside and yellow on the outside. Strong grower with heavy foliage; fragrant; free flowering. \$1.35; 3 for \$3.85.

EDITOR McFARLAND. Perfectly formed lasting, brilliant rose-pink flowers, excellent for cutting. Its vigorous growth, healthy foliage and abundance of fragrant bloom make it one of our most dependable roses. \$1.35; 3 for \$3.85.

JOANNA HILL. One of our most popular Roses and the best of its color. Rich cream and ivory with a yellow-orange heart. A long-lasting cut flower of fine form, whether in graceful bud or full blown flower. \$1.35; 3 for \$3.85.

POINSETTIA. One of the most dazzling red roses we have ever seen. The buds are ideal in form, long and pointed, and open into large, beautiful poinsettia-scarlet blooms. Poinsettia just lacked 2 votes of being rated by the rose experts as one of the 10 best roses introduced in the last 10 years. \$1.50; 3 for \$4.25.

When varieties listed are sold out, we reserve the right to substitute equal value. See Pages 100-101 for Complete List of Roses.

All Roses are shipped via express from Western Springs, Ill., or may be shipped via parcel post if postage is sent. Allow 1 lb. for each plant. See order blank for postage rates. (No Roses are shipped C.O.D.).

NEW ROSE PEACE
1946 All American Champion
For description and prices of this highest scoring introduction see page 100.

We will be unable to accept orders for Roses after May 1st.

Copyright, by Vaughan's Seed Store, 1946

Keep Your Lawn BEAUTIFUL

**VAUGHAN'S
CHICAGO
PARKS
LAWN SEED**

1/2 Lb.....	\$ 0.45
1 Lb.....	.75
2 Lbs.....	1.50
3 Lbs.....	2.20
5 Lbs.....	3.60
10 Lbs.....	7.00
15 Lbs.....	10.40
20 Lbs.....	13.75
25 Lbs.....	17.00
100 Lbs.....	64.00

Prepaid in U. S. A.

First step toward correcting neglect due to war should begin with the lawn. If yours has suffered during the busy years just passed, repair it this spring. Without reseeding, feeding and good care a lawn quickly suffers; and the longer it goes without proper attention, the more difficult it is to repair.

Well advised lawn makers will avoid sowing the cheap mixtures which flood the market adulterated with quick show grasses such as timothy, a hay seed whose coarse stems ruin the lawn. Buy only seed on the quality of which you can depend.

The basis of VAUGHAN'S "CHICAGO PARKS" lawn seed is a large amount of the finest Kentucky blue grass, which is combined with other suitable grasses in the proper proportions to produce a fine permanent turf. Needless to say, it does not contain timothy, which is a hay grass and does not belong in a lawn; none of Vaughan's formulas include this unsuitable grass.

Price, 1/2 lb., 45c; 1 lb., 75c; 2 lbs., \$1.50; 3 lbs., \$2.20; 5 lbs., \$3.60; 10 lbs., \$7.00; 15 lbs., \$10.40; 20 lbs., \$13.75; 25 lbs., \$17.00; 100 lbs., \$64.00.

We offer this mixture without clover under the name "Vaughan's Fairway Formula"—Prices same as "Chicago Parks."

Vaughan's Special Purpose Mixtures

We recommend our lawn mixtures, composed of suitable varieties of grass seed, because results are more satisfactory from a correct combination of grasses than from a variety sown alone. Our grass seed division has long been known as an authority on growing fine turf, and for the guidance of our customers we send our booklet on lawn-making upon request and without charge. A copy of this booklet is enclosed in every carton and bag of Vaughan's lawn seed mixtures.

For Your Protection—Always remember that we neither buy nor sell seeds that are not tested in our own officially recognized laboratory for purity, germination, identity and freedom from weeds.

Vaughan's "Columbian" Formula for Shady Lawns or Sandy Soil

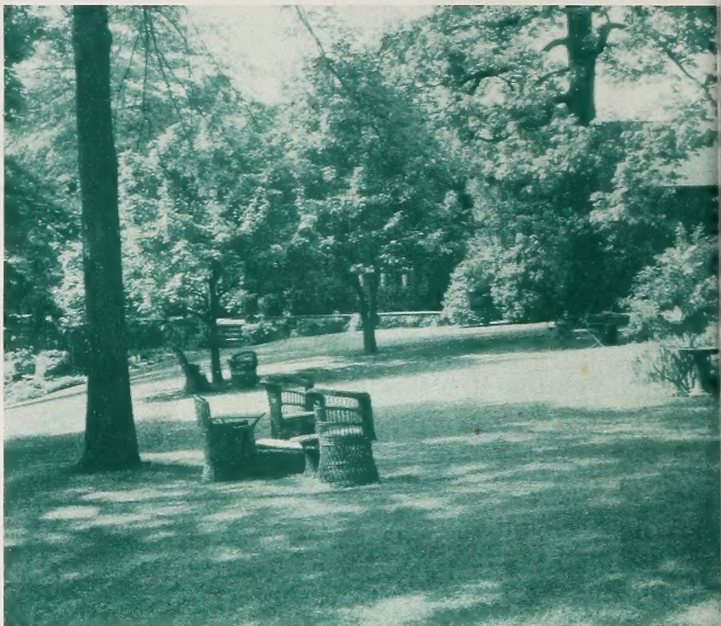
In making a lawn on sandy soil or in partial shade, conditions are met which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, 1/2 lb., 50c; 1 lb., 80c; 2 lbs., \$1.60; 3 lbs., \$2.35; 5 lbs., \$3.85; 10 lbs., \$7.50; 15 lbs., \$11.15; 20 lbs., \$14.75; 25 lbs., \$18.25; 100 lbs., \$69.00.

Vaughan's Dense Shade Formula (Containing Creeping Red Fescue)

An exceptional formula which is particularly adapted to heavily shaded areas and will also do well in lighter shade. We have spared no care or expense to make this lawn seed the best obtainable for the purpose. Follow instructions in our lawn booklet for growing grass in the shade. Does not contain clover.

Price, 1/2 lb., 55c; 1 lb., 90c; 2 lbs., \$1.80; 3 lbs., \$2.65; 5 lbs., \$4.35; 10 lbs., \$8.50; 15 lbs., \$12.65; 20 lbs., \$16.75; 25 lbs., \$20.75; 100 lbs., \$79.00.



Quantity to Use—On new lawns, use 1 lb. for every 300 square feet; 5 lbs. for 1500 square feet; 135 to 150 lbs. for one acre. To replenish lawns where turf is thin, use half quantity.

VAUGHAN'S No. 25 LAWN FORMULA

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Chicago Parks." In spite of its low price, this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine. Price, 1 lb., 50c; 2 lbs., \$1.00; 3 lbs., \$1.45; 5 lbs., \$2.35; 10 lbs., \$4.50; 15 lbs., \$6.60; 20 lbs., \$8.75; 25 lbs., \$10.75; 100 lbs., \$39.00.

Vaughan's "Private Estate" Bent Formula FOR LAWNS "DE LUXE"

This formula contains over 98% pure seed and is free of all noxious weeds. In addition to Kentucky Blue Grass of the highest quality, to insure a durable and resistant foundation for your lawn, it includes an important proportion of Certified Bent. It produces a heavy turf of very fine texture.

This mixture is equal or better in purity to the highest priced mixtures on the market and most important, contains more bent seed. It is the best value on the market.

Price, 1 lb., 85c; 2 lbs., \$1.70; 3 lbs., \$2.50; 5 lbs., \$4.10; 10 lbs., \$8.00; 15 lbs., \$11.90; 20 lbs., \$15.75; 25 lbs., \$19.50; 100 lbs., \$74.00.

Bent Lawns from Certified Seed

Ask for Our Bent Leaflet

Bent grasses are increasingly popular for lawns, especially in cities where lawns are small in area and extra care is not burdensome.

Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft.

ASTORIA BENT. Astoria Bent is identified by its numerous rootstocks which spread underground and throw up new shoots, making a very thick turf, and by the presence of runners above ground in the early stages of development. This Bent has a good color and is excellent as both a lawn and putting green grass. It does not require as much cutting as Creeping Bent. We highly recommend this type.

SEASIDE BENT. This is a true unmixed Creeping Bent grass seed which spreads by surface runners instead of by the underground root stalks which characterize the Astoria Bent.

Our Bent Leaflet Is Included in Each Bag

ASTORIA BENT GRASS. Price, 1/4 lb., 50c; 1/2 lb., 85c; 1 lb., \$1.55; 2 lbs., \$3.10; 3 lbs., \$4.60; 5 lbs., \$7.50; 10 lbs., \$14.75; 15 lbs., \$21.75; 20 lbs., \$28.60; 25 lbs., \$35.00.

SEASIDE CREEPING BENT GRASS. Price, 1/4 lb., 45c; 1/2 lb., 85c; 1 lb., \$1.50; 2 lbs., \$3.00; 3 lbs., \$4.45; 5 lbs., \$7.25; 10 lbs., \$14.25; 15 lbs., \$21.00; 20 lbs., \$27.60; 25 lbs., \$33.75.

SEE PAGE 81 FOR PRICES ON OTHER GRASSES AND FIELD SEEDS

EM

601 W. Jackson Blvd., Chicago 6, Ill.

47 Barclay St., New York 7, N. Y.

Date _____ 19____

NAME Mr.
Mrs.
Miss

.....
Write very plainly

Post Office _____ State _____
(City Zone No.)

Street, P. O. Box
or Rural Delivery.....

Express or Freight Office { If different }
from P. O. }

Forward Goods by _____
(Parcel Post, Express, Freight)

(SEND NO CASH OR CURRENCY UNLESS REGISTERED)

Make Money Orders or Checks Payable to Vaughan's Seed Store

AMOUNT ENCLOSED \$ _____ ☐ Money Order ☐ Draft or Check ☐ Postage Stamps ☐ Cash

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

VAUGHAN'S SEED STORE gives no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants it sells; nor does it warrant fertilizers other than in respect to data required of the seller by statutes. It expressly agreed that the limit of liability for all claims for loss or damages due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it be responsible for loss or damage of the crop.

QUANTITY	NAME OF ARTICLE	PRICE	
DO NOT ABBREVIATE		DOLS.	CTS.

For every CASH MAIL ORDER for SEEDS AND BULBS, totaling \$2 or over, received on this order blank before March 1, 1946, we will send gladiolus bulbs of our selection, to the value of 10 percent of the order. This offer does not apply to purchases at stores, or to mail orders for items other than Seeds and Bulbs.

IN MAKING YOUR ORDER, PLEASE GIVE THE SIZES AND PRICES TO AVOID DELAY AND ERRORS. CARRIED FORWARD
 [If we cannot supply variety ordered, we will send one equal or better, unless forbidden.]

3

S. R. 46

(Over)

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Date	Book	Weight
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10 PRIZE WINNING GIANTS for \$4.60

(Prepaid 300 Miles.)

GALLANT FOX. (F.D.) A brilliant red. Its keeping qualities, sturdy stem and fine color make it a valuable sort. Each, 50c.

JANE COWL. (I.D.) A large flower of warm buff and old gold, blending to a bright salmon at the center. Each, 50c.

JERSEY'S BEAUTY. (F.D.) It is still in a class by itself. A perfect bloom of eosine pink, carried high on wiry stem. Each, 50c.

JERSEY'S RED BEAUTY. (F.D.) Bright red with same habit of growth as Jersey's Beauty. Good form, color and stem. Each 75c.

MRS. GEO. LE BOUTTLIER. (I.D.) A rich velvety carmine, giant in size and outstanding in all respects. A healthy, vigorous grower. Each 75c.

MRS. IDE VER WARNER. (F.D.) A refined, mauve-pink, beautifully formed. Large blooms carried on long, strong wiry stems. Each 50c.

MRS. JAMES ALBIN. (F.D.) A soft pleasing yellow with fine formal blooms carried on straight stiff stems. The plant is 4 to 5 feet high, has a clean sturdy growth and branches freely. Each 75c.

PRIDE OF AUSTENBERG. (I.D.) The unusual part of this dahlia is its color which is a soft apricot shading violet rose with a reverse shading of light purple. Early bloomer on strong stems. Each 50c.

ROSE GLORY. (F.D.) Pure deep rose-pink. Free and early bloomer. Strong grower with with long straight stems. Medium height. Each 50c.

WHITE KING. (F.D.) A leading pure white for exhibition and cut flowers. Perfect blooms on good stems. Each 50c.

6 of the BEST and NEWEST

Prepaid
300 Miles

Value
\$19.00 for \$15.00

JAMES ROSS. (I.D.) A huge flower of dark velvety red which does not fade. On strong stems. Each \$3.50.

MRS. ANNA KLINE. (S.C.) Sulphur yellow. Strong bush growth with heavy foliage. Stems and position of flowers ideal. Each \$2.00.

NATION'S PRIDE. (I.D.) Peach red suffused buff. An autumn shade on long stems. Excellent cut flower. One of the best. Each \$3.00.

SURETT'S PINK FLAMINGO. (I.C.) Finest clear pink yet introduced. Blooms prolific with remarkable substance. Heavy growth, strong stems. Each \$4.00.

WHITE CHRISTMAS. (F.D.) Perfectly formed white of exhibition quality. Long straight stems on vigorous, tall plants. Each \$3.00.

WORLD'S EVENT. (F.D.) A rose pink, a winner at shows and in the garden. Flowers face side on strong stems. Each \$3.50.



You can grow Giant DAHLIAS

\$7.60 FOR EIGHT VARIETIES OF CHAMPION RAINBOW COLORS

TO grow giant dahlias is one of the most satisfying of garden experiences. Anyone can do it, who buys the varieties capable of developing giant blooms and follows the simple directions which we send with every order.

Dozens of new varieties are introduced each year and enjoy a brief acclaim, but relatively few are able to win a permanent place at the top. All those on this page are proven champions. Besides giant size and fine coloring, they have the qualities of vigorous growth and free flowering. You can depend upon growing them, if you follow the simple methods in our instructions.

ONE EACH OF THESE EIGHT VARIETIES. Value \$9.60, (Prepaid 300 Miles), for \$7.60.

ALL AMERICAN (S.C.) Mulberry rose suffused salmon with wax yellow at base of petals. Plants are medium in height, very vigorous and insect resistant. Blooms are held on strong straight stems. Each \$1.50.

CALIFORNIA IDOL. (I.D.) A clear yellow. Deep flowers of fine form with high centers. Produces blooms in profusion on strong bushes. Each 75c.

COMMANDO. (F.D.) A clean shade of dark lavender which needs no special attention to produce large flowers. Bushes healthy with heavy resistant foliage. Good root maker. Each \$1.50.

MICHIGAN WHITE. (S.C.) One of the best of the white cut-flower and exhibition dahlias. The well formed flowers are carried on long strong stems. Substance of flower is excellent, keeping well when cut. Blooms are of medium size. Each \$1.00.

MONARCH. (F.D.) Ox blood red that holds its color in hot weather. A fine red with the best of stems from wide-spreading free branching bushes. Each \$1.50.

SON OF SATAN. (S.C.) Intense flame red on excellent stems. One of the largest and brightest of its type. A winner in any show. Each \$1.00.

SYDNEY. (I.D.) The color is a beautiful rose-pink with a tinge of gold throughout and at the base of petals. Blooms are large in diameter and the petals roll back to the stem forming a massive flower. Stems are excellent. Each \$1.00.

VICTORY. (F.D.) Color rose-pink with a golden suffusion. Excellent keeping qualities. Fine stems and insect proof foliage. Bush is vigorous and free branching. Winner of many Blue Ribbons at leading shows. Each \$1.25.

Hybrid Sweet Corn Team

Plant the four varieties illustrated below at the same time to produce an all season harvest of highest yield and quality. 2 oz., of each variety in separate packets, totaling ½ pound, **45c**

To produce an all season and heavy yielding harvest of the highest quality, we recommend that these four varieties which vary in season from 64 to 90 days, be planted at the same time. Later varieties will give a longer harvest and heavier yield than the earlier, and the four together will provide sweet corn all summer.

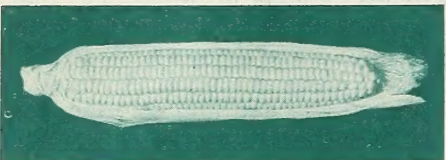
These varieties were chosen on the basis of tests in our trial garden, in order to give the longest season of harvest, coupled with the highest quality and yield. We believe this combination an improvement over last year's.



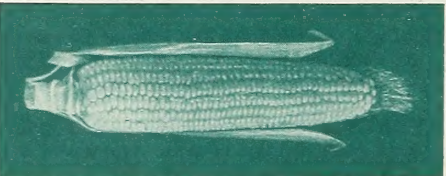
Hybrid Sweet Corn Surprise. You'll be surprised when these 12 row ears are ready to eat 64 days from planting, surprised by its sweetness and abundance. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.



Hybrid Sweet Corn Marcross 39. 75 days. It follows Surprise, with even sweeter flavor and larger ears, produced in greater abundance. Pkt., 15c; ½ lb., 35c; lb., 60c. 2 lbs., \$1.10.



Hybrid Sweet Corn Golden Cross. 79 days. It comes the nearest of any hybrid to Golden Bantam quality, with more and larger ears. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.



Hybrid Sweet Corn Wilson. 90 days. Finest late variety in yield and flavor. Large 16 to 20 row ears, with fine golden grains, borne in abundance. Excellent for canning. Pkt., 15c; ½ lb., 35c; 1 lb., 65c; 2 lbs., \$1.20.

Newer Vegetables

One Inch More of the Best Home Garden Bean

Green Pod Bush Bean Long green. 52 days. This is an improvement on the variety Tendergreen, resembling it in all respects except that the pods average an inch longer. Like Tendergreen its pods are round, full of flesh completely stringless and free from fibre, in short, it has everything which made Tendergreen the unquestioned leader in quality for the home garden. And besides the longer pods, the plant grows larger and bears a heavier crop. That extra inch on the pods is most important, not only for the additional food it yields, but because of the blue ribbons you pods can win at the annual harvest show. No question but that the judges, all other things being equal, will award the first prize to the bean pods that are longest. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 95c.



Biggest, Earliest, Best Yielding Bush Lima

Lima Bean Early Market. 73 days. Plant breeders are making great progress in developing early bush lima beans which bear the large seed characteristic of Fordhook, yet rival the small-seeded Henderson type in yield and earliness. There has been a race between several strains, and on the basis of our tests we are awarding first prize to Early Market. It is only three days later than Henderson, but its seed is three times as large, and the illustration shows how heavily it bears. When ready for harvest its seed has a uniform green coat which makes it an excellent variety for freezing or canning. It has many points of superiority over Fordhook 242, listed on Page 61. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c.

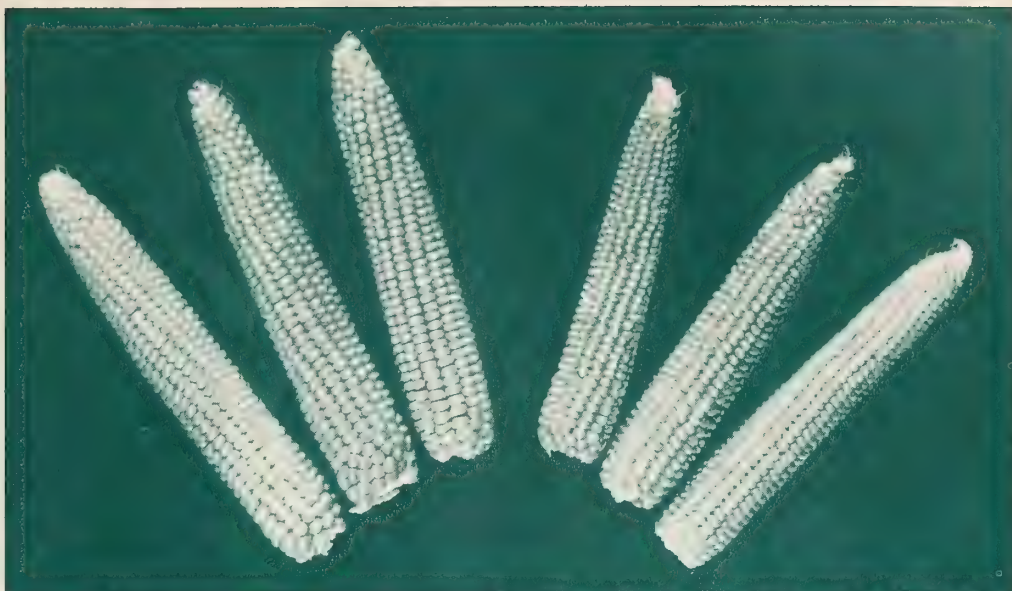


Compare These Pop-corns

Much has been printed about new hybrid popcorns. The best of those tested in our trials last summer is shown in the three ears on the left of the illustration. It is Prof. Glenn Smith's production, known as Purdue Hybrid 38, also as South American hybrid. The three ears on the right are open pollinated South American.

South American Hybrid (Purdue Hybrid 38). 110 days. The introducers say this, like hybrid field corn, bears more heavily than open pollinated varieties, and gives a larger volume of popped corn. Stalks in our trials grew six feet tall, and 60% of them had two ears to the stalk. Ears have twelve to fourteen rows of rounded deep yellow kernels. Pkt., 25c; $\frac{1}{2}$ lb., \$1; lb., \$2.

South American (Open Pollinated). 110 days. Widely popular for its heavy yield, and the quality of the popped corn, which is exceptionally large and free from hard centers. It usually bears two ears to a stalk, seven inches long, with 12 to 14 rows of rounded kernels. Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 35c; 5 lbs., \$1.25.



New Carrot Tops All

Carrot Sweetheart. 70 days. The French have a flare for carrots; and until now the variety Touchon, which may be described as a longer Nantes Half Long, was the quality leader in this country. But in Sweetheart, Touchon has been surpassed; here there may be a core, but it is invisible, the deep orange coloring extending through all the flesh. It has the blunt-end, slender cylinder shape, averaging $1\frac{1}{2}$ by 6 inches, and is tender, brittle, and exceptionally sweet. For all home gardeners who like Touchon, we recommend this as an improvement. Pkt., 25c; $\frac{1}{2}$ oz., 45c; oz., 75c; $\frac{1}{4}$ lb., \$2.

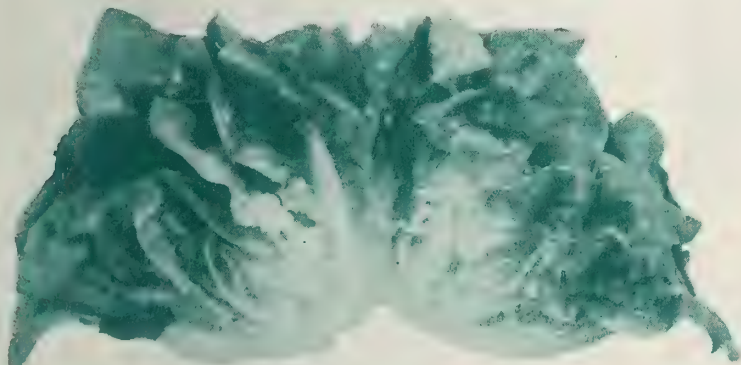
Best Heading Variety

Lettuce Bibb (Limestone). 57 days. Wherever home gardeners meet to talk shop, you can get an argument between those who think Oak Leaf is the best home garden lettuce, and those who favor Bibb. Why not grow both? Certainly there can be no doubt that of all varieties listed as head lettuce, the loose, dark green heads of Bibb are favorites with the chefs of luxury hotels and restaurants. In the garden it grows fast in the spring and fall, maturing its loose heads, as big as a fist, from seed sown in the open ground, with reasonable thinning. In hot weather it runs quickly to seed, so start it early and sow a fall crop in midsummer. Pkt., 20c; $\frac{1}{2}$ oz., 30c; oz., 50c.



Our Country's No. 1 Leaf Lettuce

Lettuce Oak Leaf. 40 days. Though called a leaf lettuce, it makes a rosette of leaves almost as much of a head as that of Bibb. And you never know Oak Leaf's true quality until you thin out the plants to stand six inches apart and let the remaining ones mature. The base of each leaf turns crisp and cream colored, and the tenderness of the leaves unequalled by any other. Pkt., 20c; $\frac{1}{2}$ oz., 40c; oz., 70c.



BIBB LETTUCE, CROSS SECTION

For Big Tomatoes and Lots of Them

Tomato Giant Tree. 90 days. Are you one of the numerous gardeners who get a thrill out of growing two-pound tomatoes? There's an army like you, who are looking for this prize, a big tomato that is heavy yielding. It's "potato leaved" and has heavy stems and such amazing vigor that when staked and pruned, the way it does best, it should be spaced close together to restrain the heavy vine. Grown unpruned and heavily fed it will cover a grape arbor with dense growth and many, many huge fruits of high table quality. Greenhouse men are beginning to grow it. Of course not every fruit is a two pounder, but some are heavier, and the average is close to a pound, pink in color, and far smoother than most other big ones. Pkt. 50c; $\frac{1}{4}$ oz. 90c; $\frac{1}{2}$ oz. \$1.65; oz. \$3.



A Quick and Heavy Producer

Tomato Early Chatham. 60 days. Small vine tomatoes, of which this is one, stop growing stems when a heavy crop of fruit is set and devote all their energy toward ripening the crop. They were developed in northern states, where late varieties are caught by frost with most of their fruit unripened. Value for the home garden is not only in quick maturity, but in the limited space which small vine growth requires. Never prune, or stake them. Michigan breeders developed this, and find it does better than Bounty in the short season of the upper peninsula. Both are good, and Bounty will be found on Page 79. Pkt. 15c; $\frac{1}{2}$ oz. 50c; oz. 90c.

Quality Climbing Cucumber

Cucumber Mandarin. 45 days. In amazing speed of growth, slender length and quality, this cucumber has no rival for the home garden. Even the smallest vegetable plot can produce it in abundance without sacrificing ground space, by letting the vines climb a trellis or fence. Two plantings, twenty days apart, will furnish the table with salad cucumbers all summer. Even the 12-inch long fruits need no special support when the vines climb. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

How to Grow Giant Onions

Onion Valencia Sweet Spanish. Utah strain. 110 days. The fruit illustrated was grown from seed in the Chicago area last summer by following this simple method: Sow seed in a flat, in hot-bed or greenhouse, about March 1. If seed are sown thinly the plants need not be thinned out, and will grow with small attention until the frost-proof date in your neighborhood, when they can be transplanted to the garden. Drop plants in holes made by a dibber 4 inches apart. Onions need rich soil and abundant water. Two-pound plants exhibition specimens can be grown with wider spacing and frequent feeding. Fast growing produces the mildest, sweetest onions. White or yellow (specify color desired). Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb. \$2.25.



New Flowers and Specialties



3983 PETUNIA Bright Eyes. Pkt., 25c

Gay Pink and White Petunia

3983 PETUNIA Bright Eyes, which was awarded a Bronze Medal, presents a lively picture, growing but 9 inches tall in a compact mound completely covered with small $1\frac{1}{2}$ inch flowers of soft pink, with white throat. It is a smaller, more compact Rosy Morn, more profuse in flowering. It is not a strong grower and needs good treatment. Pkt., 25c.



2231 DIANTHUS Westwood Beauty. Pkt., 25c.

Dark Dianthus Beauty

2231 Dianthus Westwood Beauty. Secured Honorable Mention. It is really a large flowered hybrid of D. Heddewigii and Chinensis. Grows 15 in. and has the largest flowers of any of the Chinese Pinks. The color varies between deep crimson and velvety red, the lacinated flowers being carried on long, wiry stems. 25c.



3949 PETUNIA All Double Colossal Shades of Rose. Pkt., (100 seeds). \$1.00.

1946 All America Winners

ALL varieties on this page won awards in the All America trials, in which new creations are tested for merit in trial gardens located in many sections of our country. Thus awards are based upon excellence demonstrated under varying conditions of soil and climate.

Largest All Double Petunia

3949 All Double Petunia Colossal Shades of Rose was awarded the Silver Medal. It is the largest All Double variety of American production. Heavy, luxuriant growers, the plants stand 18 in. tall and bear a continuous crop of large flowers in shades varying from light pink to purple rose. The blooms are both fringed and plain edged and reach $4\frac{1}{2}$ in. or more diameter. The seed has wonderful vitality, under average conditions the past two seasons, germinating 100 per cent. Pkt., (100 seeds), \$1.00.



3984 PETUNIA Peach Red. Pkt., 25c.

New Salmon Hued Petunia

3984 PETUNIA Peach Red. All America Honorable Mention. Plants are dwarf and compact in habit 12 to 15 in. high and bear profusely their rounded flowers which average $2\frac{1}{4}$ in. across. Color is a deep salmon with a light reddish suffusion, the softness of the intense salmon being most pleasing. Pkt., 25c.



Single Asters □

949 Aster Rainbow Mixture. 24 inches. A new strain of single asters producing large flowers of all the colors of the rainbow, except yellow, including many tones of blue and violet, rose and crimson, but without flesh pinks or white. Sturdy, upright growth. Pkt., 25c.

Aquilegia

7132 Blue Heaven. ① This variant of the Rocky Mountain Columbine, is of a lovely deep lavender throughout, and has several extra petals but has completely lost its spurs. It resembles a double large flowered Clematis on erect stem with a center of bright yellow stamens. It requires drainage and its color is loveliest in semi-shade. Pkt., \$1.00.

Begonia

Culture: B, D, or E, Page 58

1080 Gracilis Bois de Vaux Rose. Vivid rose, floriferous pyramidal growth, green metallic foliage decorated with small red border, compact, upright. 8 in. Pkt., 25c.



Sunshine Asters □

887 Aster Giant California Sunshine Mixed. Though not new, many consider this the most beautiful of all asters. The flowers 4 to 5 in. across, are composed of a single row of loosely placed outer petals which contrast with the unique yellow quill-like center discs. Stems long and heavy on plants 2 to 3 ft. in height. Blooms early to mid-September. ½ oz., 50c; pkt., 25c.

592 Asters Imbricated or Pompon Mixed. Flowers very freely produced, often as many as 20 to a plant. Blooms very early. The small round Pompon blossoms have an outside row of short guard petals. We are glad to be able to offer this again and hope by another year we will have complete color range. Pkt., 25c.



259 ALYSSUM Violet Queen. Pkt., 15c.

True Violet Sweet Alyssum

Culture: A, B, D or E, Page 58

259 Alyssum Violet Queen. □ A beautiful, fragrant sweet Alyssum, of bright clear violet hue, holding its colors through the hottest, driest summer. Can be sheared like white Alyssum and grows luxuriantly covered with bloom, from early summer to freezing. It flowers in 45 days from seed sown in the open ground. ½ oz., 35c; ¼ oz., 60c; 1 oz., \$2.00; pkt., 15c.

336 ANTIRRHINUM Large Flowering. Rosalie. Pkt., 20c.

New Antirrhinums □

RUST RESISTANT SNAPDRAGONS

Culture: A, B, D or E, Page 58

345A Reveille. Softly tinted by the golden rays of an early sunrise, Reveille is a deep luminous yellow with the upper lip of each floret toning to a lighter lemon yellow. Pkt., 20c.

336 Rosalie. A rich deep rose with underlying tone of topaz or amber. The tube and lip are the same color. Plants base branching and produce 6 to 8 huge flowering spikes on which the florets are decidedly well arranged. Pkt., 20c.

349 Padre. A glistening crimson, rich and beautiful; an excellent grower with uniformly compact contrasting foliage. One of the best. Pkt., 20c.

Rosy Pink Coxcomb

Culture: A, B, D or E, Page 58

1436 Celosia Gilbert's Maple Gold. □ The heads of this crested type Coxcomb are almost globular, and the dominant color is a golden maple, with some flowers varying toward rose or pink. The plants grow to three feet and bear eight to twelve heads, which can be increased if the center stem is pinched back. Do not feed the plants. Pkt., 25c.



7411 CARNATION Prof. Malmgreen. Pkt., 50c

Garden Carnations

Culture: D, E, A or B, Page 58

1351 J. M. Bridgeford. (Malmaison.) 1½ ft. □ From seed sown indoors (or outdoors) bears in 9 days on long stems, lovely fully double Carnations, to 4 inches across, of all Carnation colors, including yellow. Flowers throughout the summer. Pkt., 50c.

7411 Prof. Malmgreen. A new early flowering Vienna Dwarf Double type with gay brick red flowers. Fine for cutting. A perennial blooms from second year. Pkt., 50c.

New Calendula Blend □

Culture: A, B, D or E, Page 58

1207 Trial Ground Mixture. Saved from the trial grounds of one of our growers. The color balance leans toward pastel and the form is somewhat that of the popular Chrysanthemum, with blooms the size of the largest varieties. This blend has proved to be hardy, resistant and blooms over a longer season than the ordinary varieties. Pkt., 25c.

Largest of All Coxcombs □

Culture: A, B, D or E, Page 58

1438 Celosia Giant Crimson Glory. 12 to 18 inches. On strong, non-branching stems, oval-shaped flower heads resembling deep pile crimson velvet, 7 to 10 inches long by 5 to 6 inches wide, are borne. This is the largest Celosia flower, and the plant's dwarf habit makes it especially effective for massing in beds or planting in borders. To reach full maturity, seeds should be started indoors, and the plants set out in rich, sandy soil, in full sun. Pkt., 25c.



1436 CELOSIA Gilbert's Maple Gold. Pkt., 25c.



1696 **CHRYSANTHEMUM** Vaughan's Rainbow Mixed. Pkt., 25c.



1928 **STRAWBERRY CORN.** Pkt., 25c.



1621 **CHRYSANTHEMUM** Korean Hybrids. Pkt., 50c.

Novel Chrysanthemums □

Culture: A, B, D or E, Page 58

1696 Vaughan's Rainbow Mixture. This wonderful new strain of Carinatum Hybrids includes purple, scarlet, orange, salmon rose, yellow, white, all beautifully zoned. Pkt., 25c.

7452 Chrysanthemum September Jewels. They are easy to grow from seed, start to bloom two to four weeks ahead of any other type and have many beautiful colors. The plants grow 1 to 2 feet tall and flowers 2½ inches in diameter. A perennial, blooms second year from seed. Pkt., 25c.

Decorative Pop Corn □

Culture A, Page 58

1928 Strawberry Corn. While this is really a "Pop Corn" and a very good one at that, its charm is in its attractive effect of the tiny ears which are only 2 in. long and 1½ in. wide and are a rich and shiny mahogany color, not unlike a gigantic strawberry. They are enclosed in straw-colored husks which may be bent back showing the ear. Pkt., 25c.

Pink "Spider-Plant"

Culture: D or E, Page 58

1803 Cleome Pink Queen. □ Huge heads of delightful and refreshing true pink. Reaches over 4 feet, well branched, airy foliage, blooming from June until frost. This is an excellent background subject. Pkt., 25c.

1802 Golden Cleome. No seed available.



1803 **CLEOME** Pink Queen. Pkt., 25c.



2232 **SWEET WILLIAM** Double Annual Mixed. Pkt., 25c.

Annual Sweet William

2232 Sweet William Double Annual Mixed. A brilliant blend of colors, fine for bedding or cutting. Blooms first year from seed and plants live over winter. Pkt., 25c.

DIANTHUS BARBATUS, Perennial.

Culture: B, D or E, Page 58

7688 Midget Single Mixed. 3-4 in. Alpine Sweet William, uniform habit. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most blooms tri-colored. Pkt., 25c.

7711 Midget Double Dwarf Mixed. An attractive double form of the above, 3 to 4 in. tall in a bewildering color range. Pkt., 15c.

7650 Giant White "Special." Pure white flower clusters, ½ larger with strong wiry stem from ½ to 1½ longer than ordinary. In growth it resembles the Perennial Phlox and is a splendid cut flower. The individual florets average from ½ to ¾ of an inch in diameter, their size depending somewhat on the culture. The flower clusters range from 4 to 7 inches. Sown from May to July will bloom next June. Pkt., 25c.

7640 Single Copper Red. A bright new shade. Pkt., 15c.

Korean Mums From Seed

Culture: A, B, D or E, Page 58

1621 Chrysanthemum Korean Hybrids. ① These large, single flowers of many lovely colors can be flowered from seed the first year. The hardy Korean species is crossed with garden varieties. Pkt., 50c.

Golden Sweet Pea

Culture: A, B or E, Page 58

1929 Crotalaria Retusa. The "Golden Sweet Pea." A valuable, decorative annual with flowers much like Sweet Peas but entirely different in habit of growth. The plants are sturdy, erect, about 2 feet tall, with spire-like spikes, closely furnished with glossy, bright golden yellow blooms. It will flourish in hot, dry places where ordinary Sweet Peas will not thrive. Pkt., 25c.

True Blue Delphinium

Culture: A or B, D or E, Page 58 □ ①

7523 Delphinium Chinese Blue Mirror. 1½-2 ft. One of the few true bright navy blue flowers. May be cultivated as an annual as well as perennial, and is suited for cutting or border. When grown in masses it makes an overwhelming impression. Pkt., 35c.

Ornamental Cotton

1997 Sown indoors, and transplanted after danger of frost is over, cotton plants develop quickly into low bushes of definite ornamental value, with lovely pink buds followed by creamy blossoms. The white bolls make winter bouquets, and teach the children a valuable lesson. Pkt., 25c.



7523 **DELPHINIUM** Chinese Blue Mirror. 35c.



2259 **DIANTHUS Heddeiwigii Gaiety.**
Pkt., 25c.

New Dianthus Strain

Culture: A or B, Page 58

2259 **Dianthus Heddeiwigii Gaiety.** ☐ The large fringed flowers have a bewildering variety of pink, white, red and maroon coloring, in decorative patterns, and borne freely on dwarf plants. There are numerous double and semi-double forms. The many blossoms, borne for a long season, will cover a bed of these plants with a fascinating display of brilliant colors. Pkt., 25c.

2189 **Dianthus Seguieri.** ☐ Big bushy plants, long-laden with large notch-petaled blossoms that may be anything from soft pink to deep carmine, usually marked with maroon circles and white dots. Blooms from mid-July until well into autumn. Pkt. 25c.



2491 **GERANIUM Flowerland Strain.**
Pkt. (50 seeds), 35c.



8089 **IRIS Kaempferi Special Strain.** Pkt., 35c.

Oriental Iris

Culture: A, B or C, Page 58

8089 **Iris Kaempferi Special Strain.** ☐ Seed was saved from a grand exhibition collection of six-petaled varieties. Large and rather flat blooms rich in coloring. Blooms in June and July one year after sowing. Pkt., 35c.



2318 **DIMORPHOTHECA Glistening White.**
Pkt., 25c

White-Enamel African Daisy

Culture: A, B or E, Page 58 ☐

2318 **Dimorphotheca Glistening White.** 6 to 8 in. The petals of the daisy-like flowers 4 inches in diameter, glisten like white enamel. They are borne freely on low, spreading plants, like hot sun and dry weather, and flower long after frost. Pkt., 25c.

2317 **Dimorphotheca Sinuata.** ☐ "A very early and free flowering, Dwarf spreading variety. Glossy rich orange flowers. Excellent foliage. Pkt., 25c.

Geranium Seed

Culture: A, B or C, Page 58

2491 **Geranium Flowerland Strain.** ☐ Improved single large-flowered seed saved from name varieties. Include seed of Fiat, White Beauty, Alice of Vincennes, Madam Kovelesky and others which will provide a wide range of colors. This seed will germinate irregularly in from 14 days to two months. The plants may be lifted as they reach suitable size, but the seed box should not be disturbed until germination has ceased Pkt. (50 seeds), 35c.

8921 **Lythrum Superbum, The Beacon.** ☐ Excellent for moist or wet locations in the border. An English introduction of merit, produce 12 or more 3-foot upright spikes of clear rosy red which last a month or more, and are also good for cutting. Pkt., 25c



3151 **MARIGOLD Mammoth "Mum."**
Pkt., 25c.

Like Yellow Chrysanthemums

Culture: A, B, C, D or E, Page 58

3151 **Marigold Mammoth "Mum."** 30 in. ☐ Blooms early. The flowers are fluffy ball-like, light sulphur yellow in color. The flowers are 3½ in. across and 2 in. deep and develop into the largest Chrysanthemum-flowered Marigold. Pkt., 25c

3132 **Mission Giant Yellowstone.** A sister of Goldsmith which was orange, this is golden yellow, of incurved, globular form, 2½-inch flowers, rather late, grow 3 to 5 ft. Pkt., 25c.

3153 **Goldsmith.** The best version of the Chrysanthemum flowered Marigold which blossoms early enough for northern gardens. Orange globular flower with incurved petals, borne on long base branching stems, 3 feet tall. Pkt., 25c.

3127 **Limelight.** A pale primrose yellow or deep cream, in the incurved Chrysanthemum-flowered type. Early-flowering, 1½-2½ inches in diameter, free-flowering and coming quite true. Pkt., 15c.



3170A **MARIGOLD Spry.** Pkt., 25c.

A Miniature Harmony ☐

3170A **Marigold Spry.** This is a miniature version of Harmony, growing in compact, 9-inch bushes, producing freely flowers less than half the size of the popular variety Harmony. It is uniform and fine for ribbon planting. Pkt., 25c



3177 MARIGOLD Gigantea Pot O' Gold. Pkt., 25c.



3131 MARIGOLD Real Gold Pkt., 25c.

Golden Giant Marigolds □

3177 Dwarf Gigantea Pot O' Gold. 12 in. Plants are compact, well branched, bearing large blooms of bright deep orange. Flowers are somewhat loosely formed, with broad heavy petals, gracefully overlapping. Blooms early. Pkt., 25c.

3131 Marigold Real Gold. All America Bronze Medal, 1945. Large carnation-type flowers up to 4½ inches across are borne on compact bushes 20 to 25 inches tall, rather late in season. Color is golden orange illumined with yellow and flowers are abundant. Pkt., 25c.

Dwarf Marigolds □

3164A Dwarf French Double Butterball. The name fits this pretty edging Marigold of canary yellow. It grows 10 inches tall, in a mound covered with 1½-inch globular blossoms. Early and continuous flowering, excellent for ribbon planting or pot plants. Pkt., 25c.

3172 Dwarf Coronet Improved. Averages about nine inches in height. The variety produces small, Scabiosa-flower, golden yellow in center and deep mahogany red collar. Plants are compact, free-blooming and early. Pkt., 25c.

3165 Sunkist Orange. It is a dwarf, compact, very early, continuous blooming, dwarf double, 6 to 12 inches tall, flowers 1½ inches across. Companion variety for the already popular Butterball. Pkt., 25c.

3163B Yellow Pygmy. 8 in. Light lemon-yellow, Lilliput French double. Small, 1¼ in. blooms, rather free and exciting for edging beds. Pkt., 15c.

3159 Honeycomb. 15 in. This odorless deep orange belongs to the Double Dwarf African type. Peculiar and unusual petal formation makes it a distinct variety. Pkt., 25c.



4011 PETUNIA White Perfection. Pkt., 25c.

New Single Dwarf Petunias

Culture: A, B, D or E, Page 58

4092 Petunia Ruffled Nana Compacta Grandiflora Mixed. A new type of Petunia with very attractive medium sized, well fringed and ruffled flowers borne in great profusion on erect growing, very compact plants only 8 to 12 inches tall. The mixture of colors ranges from pure white to dark red in every imaginable gradation and combination. Pkt., 50c.

3974 Petunia Nana Erecta Snow White. Compact erect growing plants of the Hybrida variety covered with dozens of pure paper white flowers with large yellow throats. Pkt., 25c.

3960 Petunia Cheerful. The clear salmon pink flowers have a deeper rose veining toward the throat. The growth is low spreading close to the ground, later the plants form a mound 10-12 in. high with a spread of 2 ft. Growth is densely compact and the plants are studded from early summer until frost with flowers 2½ in. across. Pkt., 25c.

4022 Petunia King Henry. Compact, globular habit, large blooms of a velvety blood red color on short stems. A dwarf Flaming Velvet. Pkt., 25c.

3987 Petunia Ruby Red. Vivid rich velvety red flowers. Plants are dwarf and flowers of medium size. Blooms very freely. Pkt., 25c.

4099 Petunia, Large Flowering Dwarf Pink Glory. A very large well formed flower of most exquisite luminous pink shade, with a contrasting white throat marked with creamy white veins. Pkt., 25c.

4083 Petunia Blushing Maid. Its single flowers are of largest size, deeply fringed and ruffled, of a rosy pink and white with yellow veins and throat. One of the loveliest giant singles. Pkt., 35c.

Best Dwarf White

4011 White Perfection. Best dwarf white Petunia. Grows about 10 inches in height. Flowers pure white of fine size and cover the plant. Pkt., 25c.

Red, White and Blue

Many will wish to plant beds or border combinations of red, white and blue flowers this spring, and there are no flowers better suited to this purpose than the small flowered Petunias.

3994 Red, White and Blue Petunia Mixture, a blend of these colors. Pkt., 25c.



3960 PETUNIA Cheerful. Pkt., 25c.



4083 PETUNIA Blushing Maid, Pkt., 35c.



4103 PHLOX Gigantea Art Shades. Pkt., 25c.

Giant Annual Phlox □

Culture: A, B, D or E, Page 58

4104A Gigantea, Red Glory. The richest bright red, with contrasting white eye. Its color is the same as Scarlet Flax; a free, continuous bloomer. Pkt., 25c.

4103A Gigantea Rosy Morn. A gay combination of rose pink with a white eye, a color that will not fade in the strong sun. Pkt., 25c.

4104 Gigantea Salmon Glory. Florets measuring $1\frac{1}{2}$ inches, of pure salmon pink. They not only register well in border clumps and bedding masses, but are useful cut flowers, all summer. Pkt., 20c.

4103 Gigantea Art Shades. A strain with flowers $1\frac{1}{2}$ inches in diameter, in a remarkable variety of soft color tones, which blend delightfully. Pkt., 25c.

Double Petunias □

Seeds should be sown in doors early in the season, taking care to sow thinly enough to avoid crowding, so that every seedling can be raised.

3932 All Double

America. Medium size flower of carnation form, 100% true for doubleness. The first double, ever created in America. Branching erect, the plants develop into trim little plants 1 ft. high and 18 in. wide. Graceful, fully double rose pink flowers up to $2\frac{1}{4}$ in. Leaves smaller than other varieties with almost entire lack of stickiness. Pkt., (100 seeds) 50c; 1,000 seeds, \$3.50

950 Super Strain Giant Double Fringed Mixed. Producing about 30% full of beautiful fringed doubles. Variation of color ranges from soft salmon to deep pink, copper red, light red and a wide range of variegated colors. Size of flowers from 3 to 5 inches in diameter. Pkt., (100 seeds) 50c.

Schizanthus □

Culture: A, B, D or E, Page 58

4756 Monarch Strain. This is the brightest mixture of roses and appleblossom pinks, salmons, rosy crimsons, deep violet purples and many indescribable variations which make this a riot of color almost unbelievable. All are heavily veined in gold. Pkt., 25c.

New Viola □

Culture: A or B, Page 58

5791 Helen Mount. Average height about 8 in. with about a 12 in. spread of plant. Narrow, bushy foliage. Very free blooming. Two upper petals rich violet, two smaller lower petals are lavender and the lower petal is canary yellow with black lines radiating from the eye. Planted indoors in early spring and transplanted outside as soon as weather permitted, about three months would require to bring the plants into full bloom. Pkt., 25c.

New Iceland Poppy

8287 Poppy Nudicaule Kelmscott Strain. The best strain, strong wiry stems when well grown, 3 ft. long, large flowers in great variety of beautiful colors. Pkt., 25c.

A Floral Jewel □

4426 Portulaca Single Jewel. No one who has in mind the usual Portulaca flower can imagine the beauty of this new variety, which is four times as large, and of a brilliant deep crimson coloring. One of the most popular of annuals, the Portulaca is so easy to grow in dry, sunny places, that its beauty is often overlooked; but here is a new member of the family that will attract surprised attention in any company. It is as free flowering as the smaller flowered varieties. Pkt., 25c.



4426 PORTULACA Jewel. Pkt., 25c.



3932 PETUNIA All Double America. Pkt., 50c.



Annuals for Cut Flowers

Culture: A or B, Page 58

No. 1400 The forty or more varieties in this blend are chosen for their value as cut flowers. They are the long stemmed brightly colored flowers that go so well in vases and baskets. This will produce a glorious variety of flowers for cutting. We suggest planting in rows in the vegetable garden where the plants may be cultivated. $\frac{1}{4}$ lb., \$1.50; oz., 50c; $\frac{1}{2}$ oz., 30c; pkt., 15c.



5791 VIOLA Helen Mount. Pkt., 25c.



4620 **SALPIGLOSSIS Dwarf Giant Flowered Mixed.** Pkt., 20c.

New Giant Salpiglossis ☐

Culture: A or B, Page 58
 4620 **Dwarf Giant Flowered Salpiglossis Mixed.**
 Giant flowers of all the delightful colors of this gold-veined trumpet flower are borne on low growing plants of compact habit, and will cover the bed or border with glowing color. Many consider this the best of all summer cut flowers. Pkt., 20c.

4621 **Tall Giant Flowered Salpiglossis Mixed.**
 This is a family that thrives in a hot and dry climate and it is one of the few annuals which will bloom during the heat of summer. The large flowers in their many attractive warm colors appear in full open clusters at the top of the plant and make wonderful cutting material. Pkt., 25c.

Sunshine Gaillardias
 Illustrated on our back cover are the lovely art colors of No. 2476, Gaillardia Vaughan's Giant Double Sunshine, in blends no other flower can match.



4731 **SCABIOSA Blue Moon.** Pkt., 15c.

Sky Blue Scabiosa

Culture: A, B, D or E, Page 58
 4731 **Scabiosa Blue Moon.** ☐ 4 ft. Large blossoms of conical shape of sky-blue tinged with lavender, borne on long, strong stems, ideal for cutting. Pkt., 15c.

Largest of All Zinnias

Culture: A, B, D or E, Page 58

5902 **Zinnia Burpee's Super Giant.** A new strain remarkable not only for size, but even more for its new color tones and blends. It is a mixture, not yet selected into well fixed varieties which come true, but this fact will heighten its interest for many gardeners, who will be delighted by the many lovely pastel tones, as well as dark shades to be found in every planting. Petals are usually waved and fringed, as in the illustration, and the plants grow vigorously, with strong stems, making excellent cut flowers. Flowers grow $5\frac{1}{2}$ to $6\frac{1}{2}$ inches in diameter; tones of cream, buff, apricot, salmon, rose and orange predominate, but there are also flowers of yellow, white, scarlet and crimson, with many two and three-tone combinations. Pkt., 25c.



5902 **ZINNIA Burpee's Super Giant.** Pkt., 25c.

Fairfield, Ia., March 24, 1945.
 "I sent you an order for several kinds of flower and vegetable seeds. I have planted some of them inside for early plants, and the seedlings which I have raised from your seeds are the strongest, healthiest ones I have ever had. Also, I wish to thank you for the gift bulbs and seeds which I received with my previous order."
 Mrs. I. L. L.



6050 **ZINNIA Lilliput, Tom Thumb Mixed.** Pkt., 15c.

Tom Thumb Zinnias ☐

Culture: A, B, D or E, Page 58
 6050 **Zinnia Lilliput Tom Thumb Mixture.** Small double flowers cover the plants which grow 6 inches tall. Red, orange, pink, yellow and white pastels. Delightful for low bowls. $\frac{1}{4}$ oz., 50c; pkt., 15c.

Pastel Zinnias

PUMILA DWARF DOUBLE

6099 **Sunshine Tints.** New rich pastel shades. Fine for cutting or for borders. Flowers average 2 in. across and plants are about 18 in. tall. Pkt., 15c.

Brilliant Double Sunflower

Culture: A, B, D or E, Page 58
 2713 **Helianthus Sun Gold.** ☐ 4 ft. This sunflower makes a brilliant sea of color as all the plants burst into bloom on the same day. May planting will flower in early August. Blooms are all double. Pkt., 15c.



6053 **ZINNIA Lilliput, Dainty Gem.** Pkt., 25c.

Dwarf Bicolor Zinnia

Culture: A, B, D or E, Page 58
 6053 **Zinnia Lilliput Dainty Gem.** The gay, colorful and intriguing little bicolor rose flowers will add to the garden picture and supply attractive bouquets for home decoration: 12 to 15 in. Pkt., 25c.



2713 **HELIANTHUS Sun Gold.** Pkt., 15c.

Vaughan's Annual Flower Seeds

COMPLETE LIST OF STANDARD VARIETIES

Surprise Garden Mixture

80 Different Annual Flowers
Growing 1 to 3½ Feet Tall, Oz. 25c

5348 Vaughan's Surprise Garden of Annuals is a "garden lover's dream come true." From early Spring until killing frost there is a procession of color. It is not a collection of leftovers; but a carefully prepared formula of more than eighty different annual flowers, many of which you have never seen. We want you to know them, and you will be delighted to make their acquaintance and probably will want to order separately another year. Furnishes an unending amount of cutting material and a daily surprise to see what will appear next. This mixture does not contain seeds of vines, nasturtium, etc. Allow plenty of space to avoid crowding, keep watered and weeded, and remove faded flowers. Use these packets (1 oz., each 25c) for friends on their birthdays.

Oz., 25c, ¼ lb., 90c, 1 lb., \$3.35.



166 ACROCLINIUM Sensation Double Giant Mixture. Pkt., 15c.

Acroclinium (Everlasting) □

Culture: A, B, D or E, Page 58

Its graceful, Daisy-like flowers can be dried for winter bouquets. It blooms in 6 weeks. Height, 20 inches.

150 Double Pink. 10c. 155 Double White. 10c.

166 Sensation Double Giant Mixture. Flowers are double and semi-double; white, chamois, flesh color and bright rose. Pkt., 15c.

Abronia (Sand Verbena) □

Culture: A, B, D or E, Page 58

100 X 10 in. Clusters of Verbena-like, fragrant, rose colored flowers over mats of succulent foliage; for hot dry ground cover or rock garden. Pkt., 10c.

Abrus □ 7 ft.

Culture: A, B, or D, Page 58

105 Precatorius (Weather Plant). Beautiful prayer beads. Seeds resemble coral beads; may be used for necklaces. Flowers light purple. Pkt., 10c.

Amaranthus □

Culture: A, B, D or E, Page 58

Tall, vigorous ornamental foliage plants, with showy flower clusters, which attain their finest coloring in hot, sunny locations. Rich soil increases the size of leaves at the expense of their color. Give plenty of room.

267 Caudatus (Love Lies Bleeding). 3 ft. Drooping red spikes. Pkt., 10c.

275 Tricolor (Joseph's Coat). 2½ ft. The inner foliage is of blackest bronze, tipped with green, the outer bright scarlet and gold. Pkt., 10c.

285 Vaughan's Special Mixture. A well balanced mixture of named varieties. Pkt., 10c

Aurora, Ill.,

Aug. 23, 1945.

"Your Surprise Garden Mixture for 1945 produced the most varied and beautiful flowers I have had in the seven years I have planted it, and I am extremely anxious to get a quantity of the same mixture for next Spring."

Mrs. P. R. S.,

Odell, Neb.,

July 17, 1945.

"I have a most splendid assortment of flowers from that 25c Surprise Garden Mixture and am enjoying them a lot."

Mrs. J. S.

Houston, Texas

Jan. 14, 1944.

"I've enjoyed your famous Surprise Garden Mixture for several years."

Mrs. F. B.



5848 SURPRISE GARDEN MIXTURE. Oz., 25c.

Ageratums for Best Summer Blue



195 AGERATUM Midget Blue. Pkt., 25c.

Culture: A, B, D or E, Page 58

Most popular summer blooming annuals supplying, during the season, dense heads of fluffy flowers in tones of blue and lavender, which are so necessary to balance the color effect in a garden.

197 Blue Ball Improved. Compact, six inches, Uniform, broad green foliage is almost smothered with flowers of deep periwinkle blue. Pkt., 25c.

198 Blue Bedder. 4 in. Uniform compact plants bearing clusters of lavender-blue flowers. The color is deeper than that of Blue Ball. Pkt., 25c.

200 Blue Cap Improved. 4 in. Definitely more dwarf than Blue Ball, more compact in habit. Bright, deep, lavender blue. ½ oz., 50c; pkt., 15c

221 Golden Ageratum. 12 in. Fluffy, golden ball flowers, resemble the so-called perennial ageratum. This is an annual, *Lonas Inodora*. Pkt., 25c.

220 Lasseauxi. 1 ft. Clear pink, excellent cut-flower. Pkt., 15c.

217 Little Blue Star. 4 in. Flower opens light blue with purple center and develops to a bright blue self. Pkt., 15c.

195 Midget Blue. Three inch globular plants are smothered with *Ageratum* blue flowers. Most uniform in habit, truest in color yet produced. The best we know for narrow ribbon planting. Pkt., 25c.

187 Purple Perfection. 8 in. (Improved Blue Perfection). Vivid dark purple. Compact plant bearing large flowers, freely produced. Fine for ribbons, and edging. Pkt., 15c.

215 Venus. 1 ft. Forms a dense bush which is profusely covered with flowers. The buds are red, the petals are white and the center of the flower red. Pkt., 15c.

Anagallis (Pimpernel) □

(Poor man's Weather Glass)

Culture: A, B, D or E, Page 58

307 Coerulea. 11 in. One of the most conspicuous low growing blue flowers, but must have a sunny place to do well. The plants spread rapidly and bloom freely. Real turquoise-blue. Pkt., 10c.

309 Terra Cotta Red. 11 in. New, vivid. Pkt., 15c.

305 Mixed. 11 in. Blue and scarlet flowers, effective as edgings, also charming on rockwork and in pots. Pkt., 10c.

KEY TO SYMBOLS: □ Annuals. # Biennials. ① Perennials. ÷ Greenhouse Plants. + House Plants. = Climbing Plants. X Rock Garden Plants.

Best New Snapdragons

Culture A, B, D or E, Page 58

425 Vaughan's Special Mixture of Snapdragons. (Antirrhinum). Includes all the varieties, providing a never ending color feast of long stemmed cut flowers. $\frac{1}{4}$ oz., 60c; $\frac{1}{8}$ oz., 35c. Pkt., 20c.

Rust-Resistant

If you have found Snapdragons difficult to grow, rust¹ is probably responsible. Rust is a widespread disease which discolours the leaves and saps the vitality. Growing the Rust-resistant strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged.

Rust-Resistant Maximum

Giant Flowered. Spikes 32 inches tall, and blooms 2 to 2½ inches across.

These have huge individual flowers and flower spikes.

- 341 Maximum Alaska.** White.
 - 342 —Autumn Glow.** Copper shades.
 - 343 —Campfire.** Pure luminous scarlet.
 - 344 —Canary.** Yellow.
 - 343A —Copper King.** Burnished copper.
 - 341C —Crimson.** Fiery crimson.
 - 344C —Daffodil.** Beautiful two-tone yellow.
 - 345 —Fair Lady.** Silver pink with white tube and yellow tip on lip.
 - 342A —Golden Glory.** The deepest yellow.
 - 343B —Indian Summer.** Coppery orange-scarlet.
 - 346 —Loveliness.** Puresoft rose-pink.
 - 346A —Pink Sensation.** Pure pink
 - 347 —Red Cross.** Deep rich crimson, white tube.
 - 341A —Swing Time.** Loveliest rose-pink, a bright yellow lip and white tube.
- Each of above maximum type, pkt., 20c; any 3 pkts., 50c.

348 All the above Rust-resistant Maximum Snapdragons Mixed. Pkt., 25c; 3 pkts., 65c.

MAJUS GRANDIFLORUM—Large Flowering. 22 in.

- 344A Grandiflorum Brilliant Rose.** True rose pink.
 - 344B —Daintiness.** (Pink Domino). Rose pink, white tube.
 - 348A —Orange Shades.**
 - 349 —Padre—**See Novelties.
 - 345A —Reveille.** Reveille is a deep luminous yellow with the upper lip of each floret toning to a lighter lemon yellow.
 - 336—Rosalie.** A rich deep rose with underlying tone of topaz or amber. See Novelty Pages for illustration.
 - 337 —Salmon Pink.**
 - 338 —Shasta.** Pure white.
 - 353 —Stoplight.** Copper scarlet.
 - 352 —Yellow Jacket.** A clear deep yellow.
- Each of above, pkt., 20c; any 3 pkts., 50c.

355 Majus Grandiflorum Mixed. Pkt., 20c

SUPER-MAJESTIC TYPE—Semi-tall Giant Flowered

- 327 Orange Shades.** Marvelous shades of rose deeply overlaid tangerine or golden orange.
 - 328 Red Rocket.** Bright red.
 - 326A Rose Sensation.** Richest rose pink with a slight touch of salmon.
 - 329 Royal Crimson.** Garnet crimson.
 - 331 Silver Pink.** Lovely deep pink with a white blotch on the lower lip.
 - 332 Super-Majestic Type Mixed.**
- Each of Super-Majestic type, pkt., 20c; any 3 pkts. for 50c.

Not-Resistant

Semi-Tall Sorts, 18 to 20 inches

These are recommended for most beds and borders as they require no staking. The flowers have many new shades and tints.

- 368 Black Prince.** Nearly black, small dark leaves.
- 384 Flame.** Brilliant orange-scarlet.
- 390 Golden Queen.** Rich yellow.
- 404 Prima Donna.** Terra-cotta pink.
- 404B Red Emperor.** Rich deep scarlet.
- 404C Royal Rose.** Rich deep rose.
- Each of the Semi-Tall sorts, pkt., 10c; 3 for 25c.
- 409 Semi-Tall Mixed Majus Nanum.** $\frac{1}{8}$ oz 45c; pkt., 10c.
- 445 Tom Thumb Mixed.** $\times \frac{1}{8}$ in. Suited for edging beds, and pot plants. $\frac{1}{8}$ oz., 25c; pkt., 10c.



Sweet Alyssum, Ideal Edging Plant □

Culture: A, B, D or E, Page 58

IT IS truly queen of edging plants whether grown in a continuous ribbon or alternated with Violet Queen, yellow Signata Marigold, or dwarf Salvia. Its white flowers never fail; it is amazingly vigorous and hardy, and exceptionally uniform.

- 255 Vaughan's Little Gem (White Carpet).** 4 in. The plants are so completely covered with a froth of tiny snow-white blossoms they create the impression of a beautiful white carpet. Sweet Alyssum puts a lace frill to any garden and enhances the colors of every flower. 1 oz., \$1.40; $\frac{1}{2}$ oz., 75c; $\frac{1}{4}$ oz., 40c; pkt., 10c.
- 250 Maritimum (Sweet Alyssum).** 10 in. Flowers white and honey-scented, produced from early in the season, until freezing. Mix the seed with sand to prevent sowing too thickly. 1 oz., 60c; $\frac{1}{2}$ oz., 35c; pkt., 10c.
- 259 Violet Queen.**—See Novelties. Pkt., 15c.
- 261 Lutescens.** 8 in. Dwarf, cream or straw color. Pkt., 10c.

See also Perennial Pages.

Milton, Wis. Feb., 12, 1945

"The Bush Balsam I had in my garden last summer was admired very much by neighbors and the public. In fact I furnished a basket full of the rose like flowers for a wedding which decorated the table and received many OH's and AH's".

Mrs. J. G. V. V.



255 Ribbon Planting of Vaughan's ALYSSUM Little Gem. In foreground. Pkt., 10c.

4669 SALVIA Splendens, St. John's Fire. In background. Pkt., 25c.

Typical Florets of Vaughan's Giant Rust-Resistant Snapdragons

- | | |
|--------------------------|---------------------------|
| Left side, reading down. | Right side, reading down. |
| 341A Swing Time. | 343 Campfire. |
| 344 Canary. | 346 Loveliness. |
| 343B Indian Summer. | 347 Red Cross. |
| 336 Rosalie. | 342A Golden Glory. |
| 338 Shasta. | 329 Royal Crimson. |
- Each of above, pkts., 20c; any 3 for 50c.

Miniature Snapdragons

ROCK HYBRIDS ×

A delightful new strain forming compact tufts 4 to 6 inches high, covered with miniature flowers. Excellent for rockeries, small beds and edgings.

- 433 Baby Rose.** Very free flowering, compact plants covered with flowers of a deep pink self tint. Pkt., 20c.
- 432 Magic Carpet.** Very compact with a good range of colors including pinks, terra cotta shaded apricot and a few purplish shades, with light shades predominating. Excellent for low floral arrangements. Pkt., 25c.



903 ASTER
Giant Branching

Deep Rose.
Pkt., 15c.



569 ASTER
Giant Crego

White. Pkt., 15c.



541 ASTER Early Giant, Light Blue. Pkt., 25c.

SPECIAL OFFER No. 18

One Packet Each, 3 Varieties Illustrated for 45c.

541 Aster Early Giant Light Blue. 25c. 569 Aster Giant Crego White. 15c.

903 Aster Giant Branching Deep Rose. 15c.

Wilt Resistant Asters

Culture: A, B, D or E, Page 58

Good news for all who have had trouble growing asters, is that D.D.T. Dust, the new insecticide, will kill leaf hoppers, which transmit the yellows disease, for which there has hitherto been no reliable treatment. Occasional spraying or dusting with this lasting insecticide should protect your asters from infection, which is the chief enemy of these beautiful flowers in sections where the wilt disease is not established in the soil. Wilt resistant varieties are resistant only to wilt, but in general are more vigorous, and less susceptible to other infections. Whenever a variety can be offered in a wilt resistant strain, we omit its non-resistant counterpart from the list.

VAUGHAN'S SPECIAL WILT RESISTANT

915 Mixed. A specially prepared mixture containing in balanced proportion all the wilt resistant varieties we offer. An outstanding value for the cutting garden, or mixed bed or border. $\frac{1}{8}$ oz., 40c; pkt., 15c.

946 Pink Shades Mixed. 947 Light Blue Shades Mixed.

948 Dark Blue Shades Mixed.

Each of above, pkt., 15c; 3 pkts. for 40c.

Early Beauty 2 to 3 ft.

Attains a height of 2 to 3 feet of branching habit. Flowers large, borne on long stout stems. Bloom at same time with Crego and Giant Branching.

527 Azure Blue. 531 Purple. 533 White.

536 Carmine Rose. 532 September Beauty
flesh pink.

529 Crimson. Each of above, pkt., 15c; 3 pkts. for 40c.

534 Mixed. $\frac{1}{8}$ oz., 35c; pkt., 15c.

Early Giant $1\frac{1}{2}$ to 2 ft.

An exceptional new class. The flowers are full petaled with broad, graceful petals, daintily plumed and intertwined, very large, 4 to 5 inches across. There are practically no laterals or side branches. Four to six weeks earlier than the Giants of California.

541 Light Blue. A big lacy flower. 542 Peachblossom. White flushed pink.

543 Rose Marie. Rich, lively shade of rose.

Each of above, Pkt., 25c; any 3 pkts. for 65c.

544 Mixed. All three colors. $\frac{1}{8}$ oz., 50c; pkt., 25c.

Giant Branching 2 to 3 ft.

The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid.

905 Azure Blue, dark lavender.

903 Deep Rose. 904 Crimson.

906 Purple.

901 White.

902 Shell Pink.

908 Sensation (Scarlet)

Each of above, pkt., 15c; any 3 pkts., 40c.

898 Mixed. $\frac{1}{8}$ oz., 35c; pkt., 15c.

Giant Crego — Ostrich Feather — 24 inches

The flowers are immense on long stems. The petals are curled and twisted, plants branching. Flowers in abundance from late August until frost.

559 Azure Blue. 561 Crimson. 565 Pink.

560 Blue Flame, navy blue. 563 Deep Rose. 566 Purple.

564 Lavender.

568 Violet.

560A Cattleya fascinating shade of orchid.

569 White.

Each of above, Pkt., 15c; any 3 pkts., 40c.

575 Mixed. $\frac{1}{8}$ oz., 35c; pkt., 15c.

Princess—New Crested 18 to 24 in:

Princess asters have a full crested center surrounded by several rows of strong guard petals. Flowers are fine keepers. Early and free bloomers.

625 Princess Anne. Delicate pink turning to rose pink as they mature.

624 Princess Barbara. Orchid color.

626 Princess Bonnie. A beautiful soft salmon rose with center of rich gold.

623 Princess Golden Sheaf. The deepest yellow Aster yet offered. The flowers are fully double with an attractive crest-like center of good substance and fine depth of petal.

627 Princess Marsha. A strong, vibrant cinnabar scarlet, with rich gold center. Each of above, pkt., 25c; any three pkts. for 65c.

Heart of France

929 Opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals show now a glow and sheen, now a soft warm velvety texture. 18 to 24 inches. $\frac{1}{8}$ oz., 45c; pkt., 15c.

Finest Giant Sorts Mixed

628 A Mixture of all Giant Varieties. It became very popular with our customers in our store before we catalogued it. Since we have included it in our list, it has become one of our best sellers. Pkt., 25c.

Queen of the Market (Early Flowering) 16 inches

The favorite early Aster, usually in full bloom two weeks before most others begin to blossom. Of graceful spreading habit.

920 Azure Blue.

921 Crimson.

925 Light Blue.

925C Rose.

924 White.

Dark Lavender

922 Flesh Pink. 923 Purple, dark blue. 926 Scarlet.

Each of above, pkt., 15c; 3 pkts. for 40c.

928 Mixed. $\frac{1}{8}$ oz., 35c; pkt., 15c.

WILT RESISTANT ASTERS—Continued

Royal Early-Flowering Branching 2 ft.

This type fills a gap between the Queen of the Market and the Late-Flowering Branching Asters.

- 929A Dark Lavender. 930D Scarlet.
 929B Peachblossom. 930A Shell Pink.
 929C Purple. 930B White.
 930 Rose-Pink. Each of the above, pkt., 15c, 3 pkts. for 40c.
 930C Mixed. 1/8 oz., 35c, pkt., 15c.

949 Single Chinese Rainbow Mixed. Pkt., 25c. See Novelties.

Giant Non-Resistant Varieties

California Giants 2 ft.

California Giants combine the fluffy or feathered type of flower with the long straight stems of the Beauty class. The large, double flowers with long, attractively curled petals, grow 5 in. and more in diameter, on stems 1 1/2 to 2 ft. long.

- 994 Appleblossom, shell pink. 604 Peachblossom, opens white
 996 Crimson. flushes lavender pink.
 901 Deep Rose. 600 White.
 902 Dark Purple.
 903 Light Blue. Each of the above, Pkt., 15c, 3 pkts. for 40c.
 910 Mixed. 1/8 oz., 40c; pkt., 15c.



943 ASTER Super Giant, El Monte. Pkt., 20c.

English Daisy ① □

BELLIS PERENNIS (6 to 8 inches)

Culture: C, Page 58

Double Giant Daisies of robust habit. Remarkably fine effects are obtained when associated with Pansies or Forget-Me-Nots in beds or borders

- 1119 Monstrosa Alba. Large white. Pkt., 15c.
 1121 —Red. Pkt., 15c.
 1123 —Rosea. Light rose. Pkt., 15c.
 1131 —Mixed. Pkt., 15c.
 1125 —Giant Quilled Aetna. Rich deep red. Pkt., 15c.
 1127 —Giant Quilled Pink. Pkt., 25c.

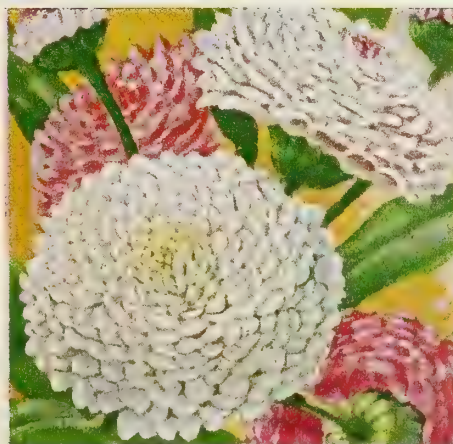
Balloon Vine (Love in a Puff) □ =

Culture: D or E, Page 58

995 A clean, free-growing vine reaching 10 to 15 feet, bearing delicate clusters of bloom and numbers of large, round, inflated seed-pods resembling miniature balloons. Pkt., 10c.

4574 Annuals Rock Garden Vaughan's Special Mixture. A carefully prepared mixture of low growing, many colored, free flowering annuals, which will supply color in your rock garden all summer. 1/4 oz., 50c; pkt., 25c.

"Pansies and English Daisies are a happy combination".



1131 BELLIS. Monstrosa Double Mixed. 15c.



ASTER Vaughan's Wilt Resistant.

640 Collection 1 pkt., each of 6 separate varieties as listed below 75c.

- | | |
|------------------|--------------------|
| Giant Crego | Giant Branching |
| (1) 569 White | (4) 906 Purple |
| (2) 564 Lavender | (5) 905 Azure Blue |
| (3) 565 Pink | (6) 903 Rose |

Each per pkt., 15c and any 3 pkts., for 40c.

Super-Giants, Largest of All

Largest and most fully double Asters, with flowers from 6 to 8 inches across, plants 2 1/2 ft. tall, with six to eight long stems. Early flowering.

- 943 El Monte. Like Los Angeles in size, and form, but of a deep glowing crimson. Blooms early and remains in flower for a long season, 1/8 oz., 50c; pkt., 20c.
 942 Los Angeles. Pure shell pink, with huge flowers, but of charming form, with curling, interlaced petals, giving a feathery effect. 1/8 oz., 50c; pkt., 20c.

Vaughan's Excelsior Mixture of Tall Asters, All Types

990 A mixture of the most beautiful, tall-growing Asters, Wilt Resistant and Non-Resistant, including the varieties listed and others. 1/8 oz., 50c; large pkt., 25c; pkt., 15c.

887 Giant California Sunshine. Finest Mixed. 1/8 oz., 50c; pkt., 25c. See Novelty Pages for illustration.

576 Extra Early Giant Crego Navy Blue. All-America Honorable Mention, 1943. First of a new race of large flowered, early Asters, this is of that color rare in flowers, a true navy blue. Pkt., 15c.

937A Giant Mammoth Peony-Flowered Silvery Rose 2 1/2 to 3 ft. Immense, fully double flowers resembling the Beauty type, borne on long, stout non-lateral stems. An attractive variety with its rich rose-silver tipped flowers. Pkt., 25c.

Anoda Mexican Cup □ 4 ft.

Culture: A or D, Page 58

3223 The Opal Cup. Luxuriantly growing plant bearing cup-shaped flowers 2 1/4 inches across, of changeable coloring, blue lavender in shadow, pink in sun. Flowers in five weeks from seed and continues until frost, forming bush a yard in circumference. Pkt., 25c.

5844 ANNUALS FOR WINDOW OR PORCH BOX

Culture: A or B, Page 58

IN MIXTURE. A charming selection of quick growing annuals which will make a bright spot and interesting display. This is a formula mixture carefully prepared to include both compact and trailing types with brilliant colors and long flowering season. Pkt., 20c.

ASPARAGUS—See Page 57

ANGEL'S BREATH—See Gysophila Elegans Grand. Alba.

BABY'S BREATH—See Gypsophila Paniculata.



311 ANCHUSA Blue Bird. Pkt., 15c

Anchusa

Culture: A, B, D or E, Page 58

311 Blue Bird. □ 2 ft. Compact habit and bearing its flowers in a luxuriant bouquet at the top of the plant. Flowers are of an intense blue with a distinct white eye. Blooms all summer. One of the best blue annuals. Try it with *Cacalia*. You will enjoy the blue of the *Anchusa* with the yellow and henna shades of the *Cacalia*. Pkt., 15c.

For others see Perennial Pages.



451 ARCTOTIS, New Hybrids. Pkt., 25c.

Arctotis (African-Daisy) □

Culture: A, B, D or E, Page 58

449 Breviscapa Aurantiaca. 6in. Deep shade of orange yellow with purple disk. A deep and most attractive shade. Pkt., 25c.

450 Grandis (Blue-Eyed African-Daisy). 3 ft. It forms bushes bearing 2 inch daisy flowers of pearly white with a gold band surrounding a delicate mauve center. It closes at evening and displays its lilac tinted undersides. Foliage gray green. Especially good cut flower. $\frac{1}{4}$ oz., 30c., pkt., 10c.

451 New Hybrids. 8-12 inches. A new race resembling the famous *Gerberas*, but much easier to grow in the garden. Flower $2\frac{1}{2}$ to 3 inches; likes a dry, sunny location. Excellent as a border plant and fine for cutting. Pkt., 25c.

Asperula

Culture: A, B, D, or E, Page 58

490 Azurea Setosa □ 1 ft. Numerous sweet-scented pale blue flowers; remains in bloom for a long period. Very effective in a large bed, especially in the early months of the year from autumn sowing. Pkt., 10c.

Irish Green Bellflower □

Culture: D, E, A or B, Page 58

1138 Bell of Ireland. Graceful 2-foot branching stems are so surrounded by 2-inch flowers there is little room for leaves. The bell-shaped calyx of the flower is green and delicately veined, containing the white corolla. Both curious and beautiful. Pkt., 25c.

1149 Bird of Paradise (Poinciana Gilliesi). The blossoms are of a rich golden yellow, about $2\frac{3}{4}$ inches in diameter, produced in large trusses, the most striking feature being the long, incurving stamens and pistils of a beautiful bright crimson color. Seed should be soaked in warm water and started indoors or under glass in a light sandy soil. Plants should be carefully hardened by gradual exposure to fresh air before going into the open ground. If the seed is started early it will produce blooms in great profusion the first year. Pkt., (10 seeds) 15c.



1138 BELL OF IRELAND. Pkt., 25c.

Bush Balsam □

"GARDENIA FLOWERED"
1½ to 2 ft.

Culture: A, B, D or E, Page 58

Free-flowering double balsam of bushy growth, flowers appear in clusters on the top of stems like double roses, instead of hidden on side of stems. It is a fine bedding plant. In shades of white, rose and red.

1052 Pink.	1057 Rose.
1053 Scarlet.	1055 White Reflected Rose.
1056 Torch. Dwarf vermilion red.	
Each of above, pkt., 25c; 3 pkts., 65c.	
1051 Mixed.	$\frac{1}{8}$ oz., 50c; pkt., 25c.

Balsam (Lady Slipper)

An old favorite producing double flowers clustered in the axils of the leaves on short stems. The plants like hot sun, rich soil and plenty of water.

1040 Double Rose and Camellia-flowered Mixed. $\frac{1}{4}$ oz., 25c; pkt., 10c.



1057 BUSH BALSAM Rose. Pkt., 25c.



1087 BEGONIA Masterpiece. Pkt., 50c.

Begonias

Fibrous-Rooted Ever-Blooming

Culture: B, C, D or E, Page 58

A continuous flowering class of greatest value for bedding; the flowers are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer, while seedlings of summer make decorative winter house plants.

Begonia seed is very fine. Open packets carefully over a sheet of white paper.

1071 Christmas Cheer Red. The blooms attain a diameter of 2 inches. Dark crimson-scarlet. Pkt., 35c.

1072 Christmas Pink. Identical with above variety except the color is warm rose-pink. Pkt., 35c.

1077 Gracilis Carmen. Shining dark foliage, pink flowers. Pkt., 35c.

1078 —Luminosa. Dark scarlet flowers, foliage reddish brown. Pkt., 35c.

1079 —Dwarf Luminosa. Extra dwarf scarlet. Pkt., 50c.

1081 —Prima Donna. Rich, clear pink with deep green foliage. Pkt., 35c.

1076 —White Pearl. Clear, glistening white. Pkt., 25c.

1084 Semperflorens Ile de France. The flowers are $1\frac{1}{4}$ inches to $1\frac{3}{4}$ inches, pure white, with bright yellow stamens. Foliage light green. Pkt., 35c.

1085 —King of the Reds. Dwarf glowing scarlet, foliage green edged bronze. Pkt., 35c.

1087 —Masterpiece. Large clear rose-pink flowers. Fairly cover the foliage. Pkt., 50c.

1090 Semperflorens Special Mixed. Finely balanced blend of full color range. Pkt., 25c. The following varieties are strong, vigorous, branching early if pinched back.

1092 Vaughan's Rose Bud. Large rose colored flowers, green foliage. Pkt., 35c.

1093 Vaughan's Snow Fairy. Pure satin white flowers, yellow stamens, green foliage. Pkt., 35c.

1094 Vaughan's Sweet Heart. Rich dark crimson flowers, foliage dark green. Pkt., 35c.

1 pkt. each of Rose Bud, Snow Fairy and Sweet Heart for 90c.

Tuberous Rooted

Culture: D or E Page 58

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted *Begonias* for greenhouses and for summer bedding. A little difficult to raise without greenhouse facilities.

1103 Double Mixed. Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Pkt., 50c.

1099 Single Mixed. Saved from finest exhibition varieties having large, well-formed flowers of many tones of red, orange, pink, salmon, etc. Pkt., 35c.

Balsam Apple and Pear 10ft. □ =

Culture: A or B, Page 58

1008 Mixed. Ornamental and quick-growing climber. Excellent in covering unsightly places. Flowers are followed by ornamental fruits. Pkt., 10c.

BLACK-EYED SUSAN See *Rudbeckia* (Perennial seeds) and *Thunbergia* (annual seeds).

Giant Calendulas □

Culture: A, B, D or E, Page 58

Calendula is one of the best annuals for the garden or greenhouse, being equally at home in either place. Vast improvements in size, shape and color of late years have changed the original "Pot Marigold Cinderella" into a Royal Princess. Keep the flowers cut for continuous blooming. During warm weather the flowers may single out but will return to full doubles when the weather turns cool. Make a late sowing in early July for flowers in cool weather; they stand heavy frosts, and are last to die.



1146 BRACHYCOME Mixed. Pkt., 10c.

Brachycome (Swan River Daisy) □

Culture: A, B, D or E, Page 58

A free-flowering, dwarf-growing annual, 12 inches tall, covered during the greater part of the summer with a profusion of dainty flowers which resemble small Cinerarias, suitable for edgings, small beds or pot culture.

1146 Mixed. All colors. $\frac{3}{8}$ oz., 25c; pkt., 10c.



1168 BUTTER DAISIES Pkt., 15c.
(Verbesina Encelioides)

Showy Butter Daisies

Culture: A or B, Page 58

1168 *Verbesina Encelioides*. □ 40 in. A showy easily grown annual bearing $1\frac{1}{2}$ inch flowers continuously throughout the summer. Good cut flower or border annual. Pkt., 15c.

Bartonia (Blazing Star) □ 2 ft.

Culture: A, Page 58

1070 *Aurea*. Showy golden-yellow flowers above its gray and downy thistle-like foliage, exceedingly brilliant in the sunshine. Sow where it is to remain, as it does not bear transplanting. Pkt., 10c.

Browallia □

Culture: A or B, Page 58

Profusely blooming bedding plant, covered during summer and autumn with flowers of a rare shade of intense blue, grows freely in any rich soil; blooms well in the winter if lifted and cut back. In the garden they grow with 12 inch stems and make fine cut flowers.

1157 Blue. Pkt., 10c.

1160 Mixed. Blue and white. Pkt., 10c.

1161 *Sapphire*. Flowers of intense blue, white eye, like large lobelia. Pkt., 25c.

1155 *Speciosa Major*. A beautiful flowering variety of the most brilliant ultramarine blue; a rare color; does finely outside in the border or in hanging baskets or in vases. Pkt., 25c.

1198 *Apricot*. A flat petaled variety of a bright apricot shade, deepening towards center. Pkt., 10c.

1194 *Ball Gold*. Extra long stemmed, large deep golden yellow. Pkt., 15c.

1194A *Ball Lemon Queen*. Deep lemon yellow with attractive brown eye. Pkt., 15c.

1191 *Ball Orange*. It has fine stems and immense double flowers of a brilliant glistening orange. Pkt., 15c.

1200 *Campfire (Sensation)*. Flowers grow 4 inches wide, completely double, are of a deep orange. It grows vigorously with exceptionally strong, heavy stems. Especially selected stock. $\frac{3}{8}$ oz., 50c; pkt., 15c.

1187 *Glowing Gold*. 2½ ft. Vivid color, coming between gold and orange which does not fade. Flowers are fully double, 4 in. across, with loose and fluffy petals that give the appearance of a golden ball. Long, wiry stems. Pkt., 25c.

1192 *Masterpiece*. Extra long-stemmed deep orange with brown center. Pkt., 15c.

1197 *Moonlight*. A beautiful soft cream yellow, with petals of the Chrysanthemum type, nearest approach to white of all Calendulas. The soft pale yellow harmonizes with anything, especially with the blue of the Centaurea. Pkt., 15c.

1197A *Orange Beauty*. 2 ft. Blooms are 3½ in. and more across of curved loose petal formation on long stems. The color is bright, deep orange slightly suffused with yellow at the base of the florets. Pkt., 25c.

1190 *Orange King*. 18 in. Outer petals are slightly imbricated, while the centers are incurved. A glowing orange. Pkt., 10c.

1203 *Orange Shaggy*. 18 in. Long fringed petals overlapping form a flower resembling some Chrysanthemums. Deep orange turning lighter at the center gives a two-tone effect. Long stems. Pkt., 10c.

1200B *Yellow Colossal*. 18 in. Most profuse blooming of all, bearing 4½-inch fully double flowers of a clear, bright yellow. Pkt., 10c.



1170 CACALIA (Tassel Flower.) Pkt., 10c.



1200 CALENDULA Campfire (Sensation). Pkt., 15c.

1189 *Yellow Sunshine*. Large, double flowers on long, stout stems, petals broad and drooping, giving the flower a globular form. A pleasing buttercup-yellow color, free from Calendula odor. Pkt., 10c.

1202 *Pastel Bedding Mixture*. A balanced selection of dwarf varieties, in light apricot, salmon, orange, lemon and cream. Pkt., 10c.

1205 *Mixed, all colors*. For woodlands and perennial borders. $\frac{1}{4}$ oz. 20c; pkt., 10c.

1206 **CALENDULA** Vaughan's Special Mixture. Besides listed varieties, this mixture includes many others, giving a delightful collection for cut flower use or exhibition. $\frac{1}{4}$ oz., 50c; pkt. 15c

Cacalia (Tassel Flower) □ 2 ft.

Culture: A only, Page 58

This "perky" little annual blooms in a few weeks from seed. The flowers of scarlet or gold on branching stems look exactly as the name indicates, fluffy tassels, less than half an inch in diameter. Blooms until heavy frost. Try these in a copper bowl with the Castor Bean (*Ricinus*) seed pods and leaves for a lovely effect.

1170 *Mixed*. Scarlet and yellow. Pkt., 10c.

Wadesville, Ind., Jan. 23, 1945

"I bought a packet of your Coleus seed last year and I wish you could see my pot plants now. I had fifteen different kinds besides my duplicates. One is growing about two feet high and has a range of color from black, red, pink, green and yellow. My neighbors all remark 'What a curiosity'. Some of its leaves measure $5\frac{1}{4}$ x $6\frac{1}{2}$ inches.

Your seeds always give satisfaction and the results are above expectation.

Mrs. E. C.

Be sure and plant some Perennial Seeds early this summer for next year's blooming.



1245 **CALLIOPSIS** Vaughan's Special Mixture. Pkt. 10c.



1287 **CANDYTUFT** Umbellata Mixed. Pkt., 10c.



1320 **CARDINAL CLIMBER**. Pkt., 10c.

Grow Cacti from Seed

Culture: C, D or E, Page 58

Growing Cacti from seed is easy and interesting, each miniature plant being perfect. The seeds germinate irregularly over a period of 14 to 40 days.

- 1251 **Cacti**. All kinds and forms mixed. Pkt. (50 seeds), 25c; 5 pkts. for \$1.00.

Gay Calliopsis Clan

Culture: A, Page 58

The annual *Coreopsis*, its flowers are similar in form, but many are marked with bands or centers of contrasting tones. Colors include variations of yellow and orange including brown, maroon and almost crimson. They are thrifty, vigorous, bloom throughout the summer and often self seed.

- 1211 **Crimson King**. This is a tall variety with rich dark crimson flowers. Pkt., 10c.
 1220 **Golden Crown**. A rich orange-yellow. It has a pleasing fragrance and is nice for cutting, with 12-inch wiry stems. Pkt., 10c.
 1235 **Dwarf Varieties, Mixed**. Valuable for small mixed beds and borders. Pkt., 10c.
 1221 **Tall All-Double Mixed**. 3 ft. The best strain of double flowering *Calliopsis*. Flowers are semi-double and double, 1 to 1 1/2 inches across. Our mixture contains all colors. Pkt., 15c.

1245 **CALLIOPSIS** Vaughan's Special Mixture. It contains all the desirable types and colors of these beautiful flowers. A great number of kinds have been especially selected for it. 1/4 oz., 30c; 10c pkt.

Candytuft (Iberis)

Culture: A, B, D or E, Page 58

Successive plantings give flowers all summer. May be sown late in Fall in Tulip beds.

- 1260 **Giant Hyacinth-Flowered White**. 1 ft. Large, bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock. 1/4 oz., 40c; pkt., 10c.

Umbellata 1 ft. Flowers in umbrella form.

- 1275 **Alba**. White. 1277 **Flesh**.
 1276 **Carmine**. 1282 **Rose Pink**.
 1279 **Crimson**. 1287 **Mixed**. 1/4 oz., 30c.

- 1286 **Lilac**. Each of the above, pkt., 10c; 3 pkts. for 25c.

- 1290 **Dwarf Hybrids Mixed**. 6 in. Compact plants covered with large flowers, rose, salmon, coral-pink to lilac and purple-crimson. 1/4 oz., 25c; pkt., 10c.

- 1289 **Little Prince**. 6 in. Immense spikes of snow-white flowers, borne in great profusion on dwarf sturdy plants. Pkt., 10c.

Canna ÷ 2 1/2 to 4 ft.

Cannas can be successfully grown from seed if planted early. Pour boiling water over the seeds; take them out after 24 hours and sow at once in sand. Give some bottom heat and cover 1/4 to 1/2 inch. The seed germinates irregularly in two to four weeks.

- 1311 **New Varieties, Mixed**. Seeds from the collection of a French specialist who has given much attention to this plant. Pkt., 25c.

Cardinal Climber = 25 ft.

Culture: A or B, D or E, Page 58

- 1320 This is a very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like laciniated foliage and literally covered with a blaze of fiery cardinal-red flowers from mid-summer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all *Ipomoeas* it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1st. The vines are a favorite playground of dainty humming birds. Pkt., 10c; 3 pkts., for 25c.

CARDINAL FLOWER—See *Lobelia Cardinalis* in Perennial pages.

CHIMNEY BELLFLOWER—See *Campanula Pyramidalis*.

Cheiranthus

Culture: A or C, Page 58

A hardy perennial which blossoms the first year from seed. Sow in late summer, autumn or spring.

- 1607 **Allioni (Siberian Wallflower)**. 1 ft. Dazzling fiery orange flowers, on stems about a foot high. Blooms from seed the first year. Pkt., 10c.

- 1608 **Golden Bedder**. Fragrant golden yellow flowers, larger than Allioni, are borne for a long season, if faded blossoms are kept picked. Pkt., 15c.

- 1609 **Kewensis**. Winter-blooming Wallflower. Fragrant flowers, sulphur passing to gold and violet, 30 in. Pkt., 15c.



1390 **CARNATION** Vaughan's Special Mixture (100 Seeds), 25c.

Giant Carnations

Culture: A or B, D or E, Page 58

Who doesn't love the spicy odor of the Carnation? Its beautiful blossoms may be grown from seed if sown inside and transplanted outside by the end of May. Plants lifted in fall, cut back will bloom again indoors.

1390 **CARNATION** Vaughan's Special Mixture. This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. Pkt. (100 seeds), 25c.

Giant Enfant de Nice Carnations. They are of compact growth with extremely stiff stems bearing flowers 2 1/4 to 2 3/4 inches without disbudding. The colors come about 75% true from seeds and give about 90% of plants with double flowers.

- 1325 **White**. 1327 **Rose**.
 1326 **Salmon**. 1328 **Red**.
 1329 **Mixed** from varieties noted above. Each of above, pkt. (100 seeds), 35c.

Improved Early Flowering Perpetual. Plants bloom in five months and continue all summer. The flowers are very double, clove scented of large size, or stiff stems 15 to 18 inches high. Our strain will produce 90% double flowers and true color.

- 1336 **White**. 1340 **Scarlet**.
 1337 **Yellow**. 1341 **Maroon**.
 1338 **Rose Pink**. 1342 **Salmon Rose**.
 1339 **Flesh Pink**. 1343 **Mixed all colors**.

Each of the above, pkt., 25c; any 3 pkts. for 65c.

- 1350 **Giant Margaret Mixed**. Flowers measuring 3 in. or more; colors include white, pink, crimson and striped. Upright growth. Pkt. 15c.

See Novelties and Perennials.

- 1305 **ANNUAL CANTERBURY BELLS Mixed**. Annual varieties of this splendid flower family bloom in about six months from seed, growing to 2 1/2 ft., and bearing six to eight spikes open bloom. A splendid late summer border flower. Pkt., 10c.

The Popular Centaureas

Culture: A, B, D or E, Page 58

Bachelor Buttons ☐ Centaurea Cyanus Super Double

A perfected strain of this popular hardy annual, which every one can grow in any garden soil. They have larger flowers, more double, with more vivid coloring and long, wiry stems, making fine cut flowers. If the faded flowers are kept cut, the plants will blossom continuously throughout the summer.

1505 **Black Boy.** Blackish maroon.

1506 **Blue Boy.** The true cornflower blue.

1507 **Pinkie.** Lovely true pink.

1508 **Red Boy.** Deep glowing red.

1509 **Snowman.** Pure white.

Each of above, $\frac{1}{4}$ oz., 30c; pkt., 15c; any 2 pkts. for 25c.

1522 **Vaughan's Special Super Double Mixed.** $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; pkt., 15c.

White Leaved (Dusty Millers)

Culture: A, B, D or E, Page 58

All gardens need a few plants with gray foliage to tone down the brilliant colors. Sow early.

1595 **Candidissima.** 10 in. Thick silvery white leaves. Should be sown early. Pkt., 15c.

1600 **Gymnocarpa.** $1\frac{1}{2}$ to 2 ft. Foliage finely cut of silvery gray color. Pkt., 10c.

Various Centaureas

1480 **Americana (Basket Flower).** 3 ft. A splendid native variety; bears immense thistle-like blooms of rosy lavender color. Pkt., 10c.

1485 **Americana Alba (Star Thistle).** $2\frac{1}{2}$ ft. Immense heads of double fluffy blooms, almost pure white. Pkt., 10c.

Culture: A, B, C or D, Page 58

1731 **CINERARIA Maritima Diamond.** $1\frac{1}{2}$ ft. is also known as Dusty Miller. Pkt., 10c.



1522 **CENTAUREA** Cyanus Vaughan's Special Super Double Mixed. Pkt., 15c.

1590 **VAUGHAN'S SPECIAL MIXTURE OF CENTAUREAS.** Includes all the annual Centaureas, and a packet will produce cut flowers all summer. $\frac{1}{4}$ oz., 25c; pkt., 10c.

CELOSIAS—Continued

1456 **Parrot's Feather.** The stocky, branched plant bears terminal flower heads of fantastic shapes and varied coloring including silvery pink and salmon, red, maroon, yellow and orange. Pkt., 10c.

1460 **Pride of Castle Gould.** Compact pyramidal plants produce immense flower heads, resembling willow plumes in many shades. Pkt., 25c.

1470 **Spicata.** 3 feet. Round, pointed bloom, 3 to 4 inches in length. At first a soft bright rose, changing to silver-white. Pkt., 15c.

Lilliput

The plants attain the height of 12 inches, consisting of 15 to 20 branches of even length all terminated by brilliant feathery cockscombs.

1476 **Fire Feather.** Red. Pkt., 25c.

1477 **Golden Feather.** Yellow. Pkt., 25c.

See also Novelties.



1463 **CELOSIA** Flame of Fire. Pkt., 25c

CELOSIAS—Continued

1463 **Flame of Fire.** 18-20 in. Perfect pyramidal habit with center head and many side branches of a lush green. The branches terminate in circular feathery combs of fiery scarlet. Pkt., 25c

Other Celosias

1465 **Chinese Woolflower, Crimson.** Grows 2 to 3 feet high with many branches terminating in a flower head resembling a ball of scarlet wool.

1466 **Chinese Woolflower Deep Rose.**

1467 **Chinese Woolflower Yellow.**

1468 **Chinese Woolflower Mixed.**

Each of above Chinese Woolflower, per pkt., 15c; 2 for 25c.



1472 **CELOSIA** Royal Velvet. Pkt., 25c.



1570 **CENTAUREA** Imperialis Mixed. (Sweet Sultan). Pkt., 10c.

Giant Sweet Sultans Imperialis $2\frac{1}{2}$ ft.

Culture: A, B, D or E, Page 58

Finest of all Sweet Sultans for cut flower purposes. The beautiful, artistic shaped flowers are borne on long, strong stems; when cut and put in water will last for several days in good condition. They have a soft fragrance and add beauty to the garden picture.

1570 **Imperialis, Mixed.** $\frac{1}{4}$ oz., 25c; pkt., 10c.

1504 **Centaurea Cyanus Jubilee Gem.** A dwarf variety, making a compact plant covered with double dark blue flowers. Foliage forms a tufted mass of bright green. 12 inches in height. $\frac{1}{4}$ oz., 50c; pkt., 15c.

1580 **Suaveolens.** 2 ft. (Yellow Sweet Sultan or Grecian Cornflower.) Very showy, large, bright yellow flowers sweetly scented and a popular sort for cutting; lasting well. Pkt., 10c.

For other varieties, see Perennial Pages.

Celosia (Cockscomb) ☐

Culture: A, B, D or E, Page 58

THE name Cockscomb is derived from the resemblance of the flower heads of the crested type to a cocks comb in form, though in texture they are like plush or chenille. The crested type thrive in light soil. Easily dried for winter use.

Crested Dwarf Sorts 8 to 10 in.

1410 **President Thiers.** Fine dwarf habit with bronzy foliage and large, velvety crimson combs.

1415 **Empress.** Blood-red combs and brown foliage.

1420 **Aurea.** Golden yellow combs.

1421 **Rose.** 1430 **Dwarf Mixed.**

Each of above, pkt., 15c.

Crested Tail Sorts 18 to 24 in.

1454 **Miracle Cockscomb Mixed.** Grows 2-3 ft. tall without branches terminated with enormous Cockscombs. September until frost. Pkt., 25c.

1472 **Royal Velvet.** 2 ft. Produces center and numerous long-stemmed plummy heads of richest crimson, on basal branches. Foliage bronzy green with reddish margins. Pkt. 25c.

1432 **Crimson.** Pkt., 15c.

1435 **Tall Mixed.** Pkt., 10c.

Ostrich Plume Sorts

They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers wave gracefully above the foliage. 2 to 3 ft.

440 **Aurea.** Orange. 1447 **Scarlet.**

445 **Coccinea.** Crimson. 1450 **Mixed.**

Each of above, pkt., 10c.

455 **Thompsoni Magnifica.** Mixed. 2-3 ft. A choice strain of the Ostrich Plume Celosias. Pkt., 10c.

475 **Dwarf Ostrich Plume Varieties Mixed.** $1\frac{1}{2}$ in. Good for pots and beds. Pkt., 25c.



1700 **CHRYSANTHEMUM** Vaughan's Special Single and Double Annual Mixed. Pkt., 10c.



1790 **CLARKIA** Vaughan's Special Mixture. Pkt., 10c.



1820 **COBAEA** Scandens. Pkt., 10c.

Annual Chrysanthemums

SUMMER "MUMS" OR PAINTED DAISIES

Single Flowering Varieties 20 in.

Culture: A, B, D or E, Page 58

Of the easiest culture; flower profusely during the summer and fall. They are showy in the garden and fine for cutting. They have a colored zone or halo around a dark eye with the main part of the flower a contrasting shade. Prefer heavy soil. All types should be pinched back to encourage branching.

1655 **Vaughan's Special Single Mixed.** Showy flowers of bright colors. Pkt., 10c.

1617 **Goldwings.** 36 in. Large daisy flowers with long feathery petals of gleaming yellow. A mass of flowers all season. Pkt., 25c.

Double Flowering Varieties 2 ft.

1695 **Vaughan's Special Mixture of Double Chrysanthemums.** Pkt., 10c.

1700 **Vaughan's Special Mixture.** Single and Double sorts in finest mixture, including many varieties not catalogued. Pkt., 10c.

See Novelty Pages for Korean Hybrids.

Cypress Vine ☐
= 10 ft.

Culture: A, B, D, or E,
Page 58

A graceful, twining annual climber with fernlike foliage and star shaped blossoms. Sow in May, first soaking seeds in warm water.

2040 **Mixed.** Scarlet and white. Pkt., 10c.



1855 **COLEUS** Vaughan's Rainbow Mixed. Pkt., 35c.

Coleus ☐ 2 ft.

Culture: D or E, Page 58

Very handsome and decorative plants with foliage of brilliant varied colors, many having fantastic markings. Plant in full sun for complete development of color. Also good house plants.

1855 **Vaughan's Rainbow Mixture.** The handsomest foliage plant obtained from seed. The leaves are very large and their color combinations are remarkably rich. Pkt., 35c.

1864 **Glory.** A mixture of bronze, pink, apricot, cream, etc. A remarkably fine strain: unequalled for the beautiful form and coloring of its large leaves. Pkt. 50c.

1860 **Fine Mixed.** Pkt., 25c.



1850 **COIX** Lachrymae (Job's Tears). Pkt., 10c.

Double Clarkia ☐ 2 ft.

Culture: A, B, D or E, Page 58

The lovely Clarkias are effective in the garden or as cut flowers in the home. Great spikes of double and semi-double flowers in the daintiest colors are produced from the poorest soil. Plant in shade. If the roots are confined by growing in small pots, they will bloom earlier.

1735 **Albatross.** Pure white of upright growth.

1743 **Brilliant.** Bright carmine.

1749 **Firebrand.** Brilliant scarlet.

1746 **Illumination.** Orange mingled with rose.

1750 **La France.** A wonderful salmon pink.

1747 **May Blossom.** Pure glowing rose.

1751 **Purple Prince.** Rosy purple.

1755 **Queen Mary.** Bright carmine.

1761 **Salmonea Perfecta.** True salmon.

1762 **Scarlet Queen.** Glowing scarlet.

Each of above, pkt., 10c; any 3 pkts. for 25c.

1790 **Vaughan's Special Mixture.** Made up especially from the above named varieties: 1/4 oz., 25c; pkt., 10c.

Cobaea (Cathedral Bells)
(Cup and Saucer Vine)

Culture: A, B, D or E, Page 58 ☐ = 30 ft.

1820 **Scandens.** One of the handsomest rapid growing climbers. The bell-shaped flowers turn lilac. Seed should be sown edgewise. Very vigorous and prolific bloomer. 1/4 oz., 50c; pkt., 10c.

Cosmidium Orange Crown ☐ 2 ft.

Culture: D or E, Page 58

1930 The flowers are golden yellow with a broad circle of a rich orange around the center disc. Bloom all summer. Pkt., 10c.

Coix ☐ 2 to 4 ft.
Culture: A or B, Page 58

1850 **Lachrymae (Job's Tears).** This tender perennial is easy to grow and will mature its beautiful "beads," even in the North, if planted in the open ground in late May and given the same treatment as corn.

The seeds, when gathered and dried, are a silver-gray and the sprays, leaves and all, are often dried for use in the winter vase. Owing to shortage of metal during the war years, these seeds have also been used in making rosaries. Oz., 50c; pkt., 10c.

Daisy Corner for Your Garden

2050 **Vaughan's Mixture of Annual Daisies.**

These simple flowers have a charm of their own. We have a mixture of the most popular sorts. They will add a definite touch to your garden besides good cutting material for the home. Pkt., 25c.

Cosmos from July to Frost □

Culture: A, B, D or E, Page 58

Plants of graceful beauty, fine feathery foliage and large flowers. While the early varieties begin blooming in July, the Cosmos reaches the height of its beauty in the autumn. The new giant early varieties are wonderful cut flowers, holding in good condition for 10 days after cutting. We list only the early flowering varieties, as the late varieties are so apt to be taken by early frosts. Try the effect of Cosmos Sensation Pink with White Nicotiana Affinis in a low bowl for a lovely fairy-like combination.

COSMOS Sensation, New Giant Early Strain

Early flowering blooming in about 12 weeks from sowing. The flowers are very large, 4 to 5 inches across, with heavy fluted petals. Height about 4 feet. By disbudding, enormous flowers can be obtained.

1964 **Dazzler.** Very rich, deep crimson.

1968 **Pink.** A delightful rose-pink selection.

1967 **Purity.** A white with satin sheen.

1966 **Sensation Special Mixed.**

Each of the above, pkt., 25c; 3 pkts. for 65c.

Single Early Flowering Mammoth 3 ft.

1935 **White.**

1945 **Crimson.**

1940 **Pink.**

Each of the above, pkt., 10c; 3 pkts. for 25c.

1950 **Early Flowering Mammoth Mixed,** all colors. $\frac{1}{4}$ oz., 20c; pkt., 10c.

Double Early Flowering 3 ft.

Forms a perfect bush, massed with bloom, bearing beautiful flowers of good size, on long stems, about 65 per cent coming double.

1990 **Pink.**

1991 **White.**

1992 **Crimson.**

Each of the above, pkt., 25c; 3 pkts. for 65c.

1994 **Mixed.** Above 3 colors. $\frac{1}{8}$ oz., 40c; pkt., 25c.



1966 COSMOS Sensation Special. Mixed. Pkt., 25c

Cyperus

Culture: A, B, C, or D, Page 58

2030 **Alternifolius (Umbrella Plant)** + $1\frac{1}{2}$ ft. Ornamental foliage plant with shining green fronds resembling a miniature palm. Grows in water with rich soil or mud. Fine plants can be grown from seed in less than three months. Pkt. 10c.

Cynoglossum □ 18 to 24 in.

Culture: A, B, D or E, Page 58

2015 **Amabile, Blue Bird Chinese Forget-Me-**

Not. Produces long sprays of brilliant blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of blue flowers. $\frac{1}{4}$ oz., 25c; pkt., 10c.

2017 **—Pink.** Similar to the above but having lovely bright pink blooms. Pkt., 15c.

2020 **Firmament.** It is dwarf, free-blooming over a long season; flowers a bright indigo blue. It is to be recommended for growing in dry, even poor soil. $1\frac{1}{2}$ ft. Pkt., 10c.



2015 CYNOGLOSSUM Blue Bird. Pkt., 10c.

CLEOME PUNGENS — Pink Queen. See Novelties



1990 COSMOS Double Early Flowering Pink. Pkt., 25c.

Datura (Angel's Trumpet) □ 3 ft.

Culture: A, B, D or E, Page 58

Handsome subtropical plants for summer bedding, having large trumpet-shaped fragrant flowers. Seed must be planted indoors early to bloom in September. They should be given a light soil and sun.

2110 **Double White** Pkt., 10c.

Dolichos □ = 10 ft.

Culture: A, B, D or E, Page 58

If you have a wire fence which you want covered, we know of no plant more decorative than this. The flowers stand upright like Hyacinth flowers and are followed by attractive seed pods.

2330 **Princess Helen (Daylight).** Snow-white flowers, silvery seed pods. Pkt., 10c.

2335 **Purple Soudan (Darkness).** Rose-violet flowers, ruby-purple seed pods. Pkt., 10c.

2340 **Mixed.** Pkt., 10c.

2345 **Lignosus (Australian Pea Vine).** A rapid-growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. Pkt., 10c.

DIGITALIS (Foxglove)—See Perennial Pages.

Vaughan's Seed Store 25

Cosmos from July to Frost □

Culture: A, B, D or E, Page 58

Plants of graceful beauty, fine feathery foliage and large flowers. While the early varieties begin blooming in July, the Cosmos reaches the height of its beauty in the autumn. The new giant early varieties are wonderful cut flowers, holding in good condition for 10 days after cutting. We list only the early flowering varieties, as the late varieties are so apt to be taken by early frosts. Try the effect of Cosmos Sensation Pink with White Nicotiana Affinis in a low bowl for a lovely fairy-like combination.

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Early flowering blooming in about 12 weeks from sowing. The flowers are very large, 4 to 5 inches across, with heavy fluted petals. Height about 4 feet. By disbudding, enormous flowers can be obtained.

1964 **Dazzler.** Very rich, deep crimson.

1968 **Pink.** A delightful rose-pink selection.

1967 **Purity.** A white with satin sheen.

1966 **Sensation Special Mixed.**

Each of the above, pkt., 25c; 3 pkts. for 65c.

Single Early Flowering Mammoth 3 ft.

1935 **White.**

1945 **Crimson.**

1940 **Pink.**

Each of the above, pkt., 10c; 3 pkts. for 25c.

1950 **Early Flowering Mammoth Mixed,** all colors. $\frac{1}{4}$ oz., 20c; pkt., 10c.

Double Early Flowering 3 ft.

Forms a perfect bush, massed with bloom, bearing beautiful flowers of good size, on long stems, about 65 per cent coming double.

1990 **Pink.**

1991 **White.**

1992 **Crimson.**

Each of the above, pkt., 25c; 3 pkts. for 65c.

1994 **Mixed.** Above 3 colors. $\frac{1}{8}$ oz., 40c; pkt., 25c.



1982 COSMOS Orange Ruffles, Semi Double. Pkt., 25c.

1982 **Orange Ruffles, Semi-Double.** Vivid golden orange, the two or three extra rows of petals lend an airy butterfly-like beauty to the richly colored blossoms. Extremely free blooming, flower 10 days to 2 weeks before Orange Flare and remain in flower six weeks. Pkt., 25c.

1954 **Miniature Golden (Bidens Humilis).** 18 in. The rich, yellow, star-like flowers are very attractive on the deep olive green finely cut foliage. They form neat and compact bushes and bloom very freely. Excellent cut flower or edging plant. Pkt., 10c.

1979 **Orange Flare.** Well-branched plants, 3 ft. tall, covered with showy golden orange, flowers in about 3 months from seed, and blooms with increasing freedom until killing frost. Sow outdoors when soil is warm, or indoors with bottom heat of 70 degrees. Give full sun. Does not need staking. Pkt., 15c.

1980 **Yellow Flare.** Bright clear yellow. The single flowers are about $2\frac{1}{2}$ in. across, produced in great masses on 3 ft. plants. Delightful when used in flower arrangements. Pkt., 25c.

Cuphea, Firecracker Plant □

Culture: A or B, Page 58

1998A **Avalon Hybrids.** Compact plants seeming to be covered with fluttering, bright-hued butterflies. In lavender, lilac; pure pink, rose-purple, crimson, fire-scarlet and vermilion, Pkt., 25c.

1999 **Firefly.** 10 inches. A colorful border or edging plant, dwarf, compact, neat in habit, and showy. Small, delicate butterfly-like flowers of fiery red are freely produced. Flowers in 12 to 14 weeks from seed and blooms continuously. Pkt., 25c.



2086 DAHLIA Unwin's Dwarf Hybrids. Pkt., 25c.

Easy to Grow Dahlias from Seed ☐

Culture D or E, A or B, Page 58

It is easy, most interesting and fascinating to grow Dahlias from seed. If the seed is started early, plants will bloom the same season. Sow in a shallow box or pan in March or early April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant in the garden.



2310 DIDISCUS Lavender Lace Flower. 10c.

Didiscus ☐ 3 ft.

Culture A, B, D or E, Page 58

2310 Coeruleus (Lavender Lace Flower). Charming blue annual, with dainty lavender and blue flowers which resemble Queen Anne's Lace of our roadsides. Excellent cut flower. $\frac{1}{4}$ oz., 25c. Pkt., 10c.

Everlastings—Annual For Winter Bouquets

Culture: A, B, D or E, Page 58

2440 Everlastings Mixed. 1 to 2 ft. A mixture of all varieties we list. Pkt., 15c.

Dahlias from Seed in 60 Days

2086 UNWIN'S DWARF HYBRIDS. This remarkable strain produces branching plants 2 to 3 feet tall bearing semi-double flowers 3 inches in diameter, of lovely soft pink, lavender, red, orange, yellow and maroon. They are as easily grown from seed as zinnias, and blossom in sixty days from seed sown in the garden row. Sow after the ground warms up and danger of frost is over, and give each plant at least one foot in the row. They give a striking effect in the border and are unsurpassed as cut flowers. They flower until frost kills the plants and produce tubers which can be saved. Pinched back, they make fine pot plants. $\frac{1}{4}$ oz., \$1.00; $\frac{1}{8}$ oz., 60c; pkt. . . . 25c



2320 DIMORPHOTHECA, Gold Daisy, Pkt., 25c.

Golden African Daisy

DIMORPHOTHECA ☐

Culture: A, B, D or E, Page 58

Showy annuals from South Africa, about 1 ft. tall with gorgeous, Daisy-like blooms during summer and fall. Easy culture in well-drained soil, sunny exposure

2320 Gold Daisy. 1 ft. A rich orange gold, which is rendered more conspicuous by dark center disc. Pkt., 25c.

2322 Salmon Beauty. Soft salmon pink. Pkt., 10c.

2325 Hybrids. They vary in color from pure white to red and blush including sulphur, lemon and bright golden yellow, light orange, reddish yellow and pale salmon-rose. Pkt., 10c.

2326 Ecklonis. 3 ft. White 3 inch blossoms of velvety texture marked with a rich blue or purple eye; are produced on bushes with branching stems from August, surviving light frosts. Pkt., 15c.

2318 Glistening White—See Novelty Pages.



2435 EUPHORBIA Variegata (Snow on the Mountain). Pkt., 10c.

Euphorbia ☐ 2 ft.

Culture: A, B, D or E, Page 58

2430 Annual Poinsettia, or Mexican Fire Plant. Resembling in habit and color the beautiful house Poinsettia. About mid-summer the center top leaves of each branch turn orange-scarlet. Pkt., 10c.

2435 Variegata (Snow on the Mountain or Mountain Spurge). 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. $\frac{1}{4}$ oz., 25c; pkt., 10c.

Kenosha, Wis.
"Last year I ordered the Dwarf Dahlias. They were so beautiful, your catalog doesn't do them justice. Since I am a novice, it gives me great pleasure to have the praise of my neighbors. No one seemed to know of the Dwarf Type, so ideal for small gardens."
Mrs. M. R.



2057 DAHLIA, Coltness Gem. Pkt., 25c.

Brilliant Annual Pinks

DIANTHUS 1 ft.

Culture: A or B, D or E, Page 58

A magnificent family producing their gay, sweet scented flowers in great profusion. They embrace a great variety of forms and come in a remarkably wide range of beautiful and rich color combinations. Sown in April where they are to bloom, and slightly thinned they make a wonderful show from July until cut down by frost. Many of this family will live over in our (Chicago) latitude.

2250 Single Sweet Wivelsfield, Mixed

Colors. A cross of Dianthus Allwoodi and Sweet William blooming the first year from seed. The flower heads resemble Sweet William in an almost unbelievable range of colors. Pkt., 15c.

2251 Double Sweet Wivelsfield.

The original single was a cross of the Dianthus Allwoodi and Sweet William. This has the same characteristics only the flowers are double. Brilliant colors, some with honey fragrance Pkt., 25c.



2245 Vaughan's Special Mixture, Single Pinks, Pkt., 10c

2300 DIANTHUS Vaughan's Special Mixture of Double Pinks. Selection of the best double pinks in cultivation, ranging in color through all the most brilliant shades. $\frac{1}{8}$ oz., 40c; pkt., 10c.

Double Flowering

2257 Chinese Double Mixed. Handsome clusters of very double flowers; many bright colors. $\frac{1}{8}$ oz., 25c; pkt., 10c.

2258 Heddewigii Double Mixed. A fine mixture of colors, varying from the richest crimson to delicate rose.

2298 Diadem Double Mixed.

2290 Fireball. Large, rich, blood-red.

2280 Lucifer. Orange.

2295 Rosalind. Rose.

2239 Salmon King. Pink

2293 Snowdrift. Giant, fringed white flowers.

Each of the above, pkt., 10c; any 3 for 25c.

2279 Imperialis Double White. Pkt., 10c.

2242 Laciniatus Double Mixed. Pkt., 10c.

2241 Laciniatus Vesuvius. Intense orange scarlet.

Pkt., 10c.

2244 Latifolius Atrococcineus. Fine double scarlet. Pkt., 15c.

2245 Vaughan's Special Mixture, Single

Pinks. The flowers are extraordinarily large and embrace colors ranging from white to pink and deep crimson. $\frac{1}{8}$ oz., 40c; pkt., 10c.

Single Flowering

2236 Heddewigii Large Flowered Single Pinks. Flowers 2 to 3 inches in diameter, borne profusely. Colors include pink, rose and white, and many marked with rose and red centers.

2238 Crimson Bell. Dark red.

2240 Laciniatus Splendens. Flowers of brilliant crimson, over 2 inches across, with fringed petals, have a boldly contrasting white center.

2243 Mirabilis Single Mixed. Petals are deeply cut in fringes all shades from pure white to purple

2196 Salmon Queen. Salmon scarlet.

Each of the above, pkt., 10c; any 3 for 25c.

2301 Vaughan's Special Mixture of Double and Single Pinks. This magnificent mixture contains the cream of the annual pinks, both single and double. $\frac{1}{8}$ oz., 50c; Pkt., 20c.



2415 ESCHOLTZIA Vaughan's Special Mixture. Pkt., 15c.

California Poppy

ESCHOLTZIA ☐ 12 in.

Culture: A, B, D or E, Page 58

Dainty free flowering plants of easiest culture with gaily colored Poppy-like flowers with a satiny finish. Plants of low spreading growth with finely cut silvery foliage. Do well in any well drained, loose soil and sunny position. Blooms early and continues until frost.

Dwarf Erect Varieties 1 ft. (Californica).

2414 Ramona Hybrids, Finest Mixed. The flowers are beautifully frilled and fluted, the petals form a flower which appears double.

2399 Tango. Bronzy red overlaid terra cotta.

Spreading Varieties 1 ft. (Californica).

2385 Golden West. Bright yellow, orange center.

2387 Mandarin. Inside orange, outside scarlet.

2398 The Geisha. Brilliant gold inside, orange-crimson outside, fluted.

2405 Vesuvius. Rich wallflower red.

Each of the above, pkt., 10c; 3 pkts. for 25c

2389 Monarch Art Shades. A compact strain of large-flowering semi-double ranging through light rose to deep rose and carmine, and from deep golden yellow orange and scarlet flowers. Pkt., 10c.

2415 Vaughan's Special Mixture. This mixture includes all the varieties here catalogued and is the most complete mixture of these charming annuals in existence. $\frac{1}{8}$ oz., 40c; Pkt., 15c.



2532 GILIA Capitata. Pkt., 10c.

Blue Gilia ☐

Culture A, B, D or E, Page 58

2532 Capitata (Blue Thimble Flower). 2 ft. Bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender-blue flowers, 1 inch across. Makes a good cut flower. May also be used as everlasting. $\frac{1}{4}$ oz., 25c. Pkt., 10c.

2530 Mixed. 1 ft. Exceedingly graceful, early flowers and valuable for bees. Charming in border. Pkt., 10c.



2525 GOMPHRENA (Globe Amaranth) Mixed. Pkt., 10c.

Gomphrena (Globe Amaranth)

18 in. ☐

Culture: A, B, D or E, Page 58.

A showy annual everlasting with clover-like heads.

2520 Orange. Blossoms resemble a ripe strawberry in color and markings. Start in sandy soil in gentle bottom heat. Pkt., 10c.

2510 Rubra, Red. Pkt., 10c.

2525 Mixed, all colors. Pkt., 10c.

Annual Hibiscus ☐

Culture: A or B, Page 58

2836 Trionum. The plants are uniform; stiff and rugged, requiring no staking, and bloom from June to frost-time. The flowers are three inches across, of cream with a center of dark purple, dotted with orange stamens. Pkt., 15c.

For other varieties, see Perennial Pages.



2471 **GAILLARDIA** Indian Chief. Pkt., 10c.

Gaillardia □

Culture: A, B, D or E, Page 58

One of the most profuse bloomers of the flower garden. Gaillardias grow best in full sunlight. The double varieties are among finest of annuals for cut flowers and deserve to be included in every list. 18 in.

2475 **Lorenziana Double Mixed.** ½ oz., 25c; pkt., 10c.

2476 **Vaughan's Giant Double Sunshine.** Harmonious blend, ranging from almost self red with yellow tips, until some flowers are pure self yellow. Fully double blooms, 2½ to 3 in. across on stiff stems, 2½ ft. tall. ¼ oz., 60c; pkt., 25c.

See Back Cover Page for Illustrations, in color.

2471 **Picta Indian Chief.** 1 ft. Attractive flowers of deep coppery scarlet, accentuated by a dark brown center. Dense bushy plants. Pkt., 10c.

2470 **—Single Mixed.** Pkt., 10c.

See also Perennial Pages.



2681 **GYPHOPHILA** Elegans Grd. Alba. 15c.

ANNUALS FOR FRAGRANCE

Alyssum	Mignonette	Petunia
Candytuft	Nasturtium	Scabiosa
Carnation	(Gleam)	Stocks
Heliotrope	Nicotiana	Sweet Pea
Matthiola	Wallflower	

Godetia (Satin Flower) □

Culture: A, B, D or E, Page 58

Attractive, bushy plants with masses of large, colorful blooms during the summer and fall. Thrive best in a cool, moist soil and half-shady situation.

Upright Growth, Single Flowers 1½ ft.

2571 **Duke of York.** Rich scarlet on white.

2574 **Kelvedon Glory.** 16 in. Glowing salmon orange, of exceptional brilliance, robust and free. Each of the above, pkt., 10c.

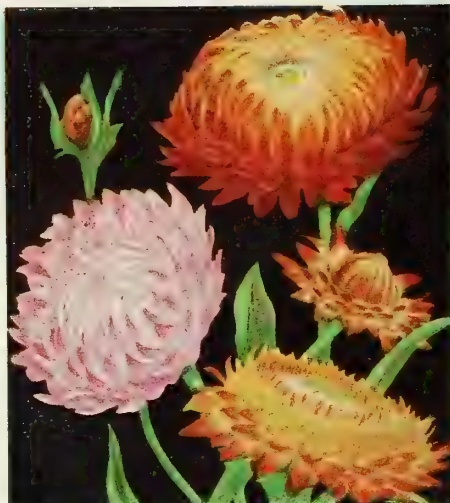
Upright Growth, Double Flower 2 ft.

2591 **Gladiolus Flowered, Mixed.** Different from others, producing flowerspikes much like a Gladiolus, which are closely set by double flowers in bright attractive colors. Pkt., 10c.

Dwarf Double Azalea Flowered

2598 **Double Dwarf Mixed.** Pkt., 10c.

2581 **Sybil Sherwood Double.** The flowers completely hide the foliage beneath a canopy of beautiful bright salmon pink, white edged flowers. Pkt., 10c.



2810 **HELICHRYSUM** Vaughan's Special Mixture. Pkt., 15c.

Helichrysum □ 3 ft.

Culture: A or B, D or E, Page 58

For winter bouquets, Straw Flowers should be cut before the centers open, and be hung upside down in a cool, dark place to dry. The foliage should be stripped off, and if it is desired, a fairly stiff wire may be twined about each stem to make them easier to handle in arranging them in bouquets. To grow large flowers, disbud, allowing only one bud to remain on each stem.

2775 **Fire Ball.** 2770 **Silver Ball.**
2780 **Golden Ball.** 2771 **Silvery Pink.**
2785 **Rose Queen.** 2795 **Violet Queen.**
2790 **Salmon Queen.**

Each of the above, pkt., 10c; any 3 pkts., 25c.

2810 **HELICHRYSUM** Vaughan's Special Mixture of Helichrysums. This is a balanced blend of the varieties listed and many other color tones in large flowered strains, giving an amazing collection of flowers for winter bouquets. ½ oz., 25c. Pkt. 15c

Gypsophila □

Culture: A, Page 58

Graceful plants of light fairy-like growth. The misty bloom adds interest to a bouquet.

2681 **Elegans Grandiflora Alba Special Selection.** This is extremely free blooming, and petals considerably broader, making the flowers nice and round, without the usual cartwheel effect. About 10% will be the smaller flowered type. Oz., 60c; ½ oz., 40c; ¼ oz., 25c; pkt., 15c.

2682 **Elegans Vivid Rose.** Pkt., 10c

2683 **—Crimson.** Pkt., 10c.

2686 **—Mixed.** ¼ oz., 25c; pkt., 10c

See also Perennial Pages



2861 **HUNNEMANNIA** Sunlite. Pkt., 15c

Hunnemannia □ 1½ ft.

Culture: A or B, D or E, Page 58

2860 **(Bush Escholtzia, or Santa Barbara Poppy).** The plants grow into shrubby bushes producing their large cup shaped flowers 3 in. across on stems 12 in. long. The petals are broad and crinkled. Does best in well limed sandy soil. Soak seeds overnight before sowing. ¼ oz., 25c; pkt., 10c.

2861 **Sunlite.** Gorgeous, semi-double, clear canary yellow blooms. The extra rows of short petals are on the outside instead of the inside of the Tulip shaped flowers. Light gray-green foliage. Flowers last two to three days as a cut flower. ¼ oz., 50c; pkt., 15c.

Hollyhocks (Annual) □ 5 ft.

Culture: A or B, D or E, Page 58

These annual kinds bloom the first year and will live over winter and last for several years, if sown in the open ground in April, they will be in flower in August, but if started indoors and set out in May they will bloom in July. Very striking planted near hemlocks or used for roadside planting.

2845 **Everblooming Double Mixed.** Double and semi-double. ½ oz., 35c; pkt., 10c.

2840 **Everblooming Single Mixed.** Large single flowers, exhibiting every shade known in Hollyhocks. ¼ oz., 25c; pkt., 10c.



2842 **HOLLYHOCK** Indian Spring. Pkt., 15c

2842 **Indian Spring.** 6 ft. Bright rose splashed with carmine semi-double flowers, reminding one of fresh strawberry ice cream. Flowering branches are produced freely. Pkt., 15c.

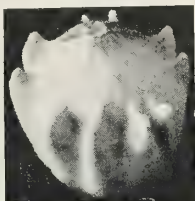
(For others, see Perennial Pages).



GOURDS, Varieties Illustrated are, 1. Bottle Miniature (2607); 2. Ornamental Pomegranate (2630); 3. Large Dipper (2610); 4. Bird's Nest (2603); 5. Hercules' Club (2618); 6. Turk's Turban (2645); 7. Spoon (2643); 8. Warted Sorts (2646).

Crown of Thorns Gourd

2609 Also known as Finger Gourd, Holy Gourd, Gourd of the Ten Commandments and Sugar Bowl. Ten prongs extend from the ridges or angles, standing free from the front part of the fruit. The fingers are hollow when inside pulp or fiber dries away. The shell is hard and durable. Base of the Gourd, about the stem, shows the ten customary main grooves. It is white or ivory-white. Pkt., 25c



LARGE FRUITED GOURDS

- 2603 Bird's Nest (4).** For bird houses.
- 2605 Bottle.** The original Thermos bottle. Makes fine bird houses.
- 2608 Calabash Pipe. Powder Horn or Penguin Gourd.** Odd-shaped fruit which is used in making pipes.
- 2610 Dipper (3).** Fruit makes an excellent dipper and may be used for birds' nests.
- 2615 Dishcloth.** Fruit is made up of a spongy-like porous pulp, which may be dried and used as a sponge. To speed up germination of Dishcloth Gourd, pour very hot water over seed and allow to stand for 12 hours. Plant immediately.
- 2618 Hercules' Club (5).** Fruit grows 3 to 4 ft. long.
- 2617 Green Snake.**
- 2622 Maranka (Cave Man Club or Dolphin).** Knobby club shaped, dark green.
- 2640 Sugar Trough.** Thick shells, very durable.
- 2645 Turk's Turban (6).** Odd brightly colored fruit. Intermediate in size.

Each of above, pkt., 10c; any 3 pkts. for 25c.

2651 Large Fruited Sorts. Mixed. Pkt., 10c; 3 pkts. for 25c.

SMALL FRUITED GOURDS

- 2600 Apple-Shaped.**
- 2607 Bottle Miniature (1).**
- 2625 Nest Egg.** Practical nest eggs.
- 2627 Orange.** The well known Mock Orange.
- 2630 Ornamental Pomegranate (2).** or Queen's Sweet Pocket Melon. Fruit deliciously perfumed and may be carried in the pocket or laid among linens.
- 2637 Pear Shaped Mixed.**
- 2643 Spoon (7).** Small ball-shaped fruit with slender necks, deep orange. By slicing off a side a satisfactory spoon is made.
- 2646 Warted Sorts (8). Mixed.**
- Each of the above, pkt., 10c; any 3 pkts. for 25c.
- 2650 Small Fruited Varieties Mixed.** Pkt., 10c; 3 pkts. for 25c

2660 Vaughan's Special Mixture. All shapes and sizes of these interesting fruits, so fashionable for ornaments, bird houses, and utensils, are included in this mixture. 1 oz., 75c; ½ oz., 40c; pkt. **15c**

Gourds □

Culture: A, B, D or E, Page 58

Large Gourd fruits make attractive decorations at harvest festivals. The small ones may be placed in bowls for table decorations. Bird houses, dippers, bowls, and toys are made of others. Leaflet on culture sent free if asked for with order.

Sow with Gourds for Decorative Effect:

- 1927 CORN Calico Indian or Squaw.** The ears are used in making charm or Patio strings combined with the small gourd fruits. The kernels are of various bright colors. Oz., 25c; pkt., 10c.
- 1928 CORN Strawberry.** See Novelty Pages.
- 3211 MARTYNIA Proboscidea (Unicorn Plant).** Tall, bushy heavy leaves, medium green. Fragrant creamy white flowers, producing fruits like unicorn or curved horn tapering to the blossom end. 18 to 24 in. Pkt., 15c.

Impatiens (Zanzibar Balsam)

For Shady Locations.

Culture: A or B, D or E, Page 58

÷ □ 1½ ft.

One of the best for pot culture and planting in a shaded situation. Remarkable for duration of bloom.

- 2875 Holstii.** Of rapid, vigorous growth, producing large flowers of salmon-scarlet. Pkt., 25c.
- 2880 Holstii Hybrids.** Range from pink through red shades to purplish-violet. Pkt., 25c.
- 2882 Sultani Hybrids.** Colors range from pale pink to dark crimson. Pkt., 25c.



2975 LANTANA Hybrida Mixed. Pkt., 15c.



1927 CORN Calico Indian or Squaw. Pkt., 10c.



2820 HELIOTROPE Mammoth Mixed. 15c.

Fragrant Heliotrope □ 2 ft.

Culture: A or B, D or E, Page 58

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom, flowering equally well as bedding plants in summer, or as pot plants in the house during the winter. Seeds sown in the spring make fine plants for bedding out, however, some do not have fragrance, and in order to perpetuate those that do, they should be grown from seed, then propagated vegetatively.

2820 Mammoth Mixed. Large flowers ranging from dark blue to lilac. Pkt., 15c.

Lantana + 1 ft.

Culture: D or E, Page 58

2975 Hybrida Tall Mixed. +2 ft. Plant with Verbenalike flowers in shades of white, red and yellow. May be grown in pots, or set out in summer; remains in bloom late in autumn. They have an agreeable aromatic perfume. Pkt., 15c.

2980 Dwarf Hybrids. Mixed. Pkt., 15c.

GIFT CERTIFICATES

Vaughan's Gift Certificates are available in any amount and redeemable at any time for our Merchandise.



2170 LARKSPUR, Vaughan's Special Mixture. Pkt., 15c.



3040 LOBELIA Bedding Queen. Pkt., 15c.

Annual Larkspurs

ANNUAL Larkspurs give fine spikes of bloom that are exceedingly graceful and attractive. Real treasures for cutting. Perfectly hardy. Sow very early in spring, thin out the seedlings as necessary and give each plant room for development. Seed may also be sown in late fall just before the ground freezes up for the winter for early flowers the following spring. In the summer germination is improved by chilling the seed several days in the refrigerator.

Culture: A or B, D or E, Page 58

Double Giant Imperial (Base Branching). □ 3 to 4 ft.

These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plants.

- 2151 **Blue Bell.** A fine medium blue.
 - 2166 **Blue Spire.** Deep Oxford blue.
 - 2152 **Carmine King.** Deep carmine rose.
 - 2171 **Coral King.** Blush pink with a suffusion of coral
 - 2153 **Daintiness.** Delicate lavender.
 - 2172 **Dazzler.** A rich scarlet base.
 - 2155 **Exquisite Pink Improved.** Soft pink shaded salmon.
 - 2173 **Gloria Improved.** A rich deep rose-salmon.
 - 2160 **Lilac King.** Rich lilac.
 - 2167 **Lilac Spire.** Lilac.
 - 2156 **Los Angeles.** A shade between salmon and rosy scarlet.
 - 2157 **Miss California.** Deep pink shaded salmon.
 - 2162 **Pink Perfection.** Lively light pink, large double florets, excellent upright habit.
 - 2175 **White King.** Pure glistening white with rounded broad petals.
- Each of the above, pkt., 15c; any 3 pkts. for 35c; any 6 pkts. for 60c.
- 2159 **Giant Imperial Mixed.** The above and others. Oz., \$1.60; ¼ oz., 50c; pkt., 15c.

Double Stock Flowered □ 3 to 4 ft.

- 2190 **Dark Blue.**
 - 2131 **Lilac Supreme.** Deep lilac.
 - 2138 **Rosamond.** A pure rose color.
 - 2145 **White.**
- Each of the above, pkt., 10c. Any 3 pkts. for 25c.
- 2150 **Stock Flowered Mixed.** All colors. Oz., \$1.00; ¼ oz., 30c; pkt., 10c.

Super Majestic 5 ft.

The double large flowers are closely set on tall 5-foot spikes and the vigorous growth and abundance of bloom make this new strain especially useful for cut flowers and border backgrounds.

- 2179 **Lavender.** Fine lavender.
 - 2180 **Rose.** An attractive salmon rose.
 - 2181 **White.** Pure glistening white.
- Each of the above, pkt., 25c. 1 pkt. each, 3 varieties, 65c.

CHINESE LARKSPUR (Delphinium Chinensis). □ -①

The Chinese Delphinium blooms from seed the first year if sown early and may be treated as an annual though it is a hardy perennial and plants will last many years. Fine for beds and border masses. Rarely needs staking and is covered with flowers all summer and fall.

- 7520 **Chinese Blue.** 2-3 ft. Pure blue. Pkt., 10c.
- 7525 **—Chinese Album.** 2-3 ft. Pure white, 10c.
- 7522 **—Cambridge Blue.** 2 to 3 ft. A good light blue. Pkt., 25c.
- 7530 **—Mixed.** Pkt., 10c.

Chinese Larkspur Blue Mirror. See Novelty Pages.

2170 LARKSPUR, Vaughan's Special Annual Mixture. Charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. They should be grown in good rich well-manured soil, and in a full sunny position. The plants, moreover, should be given plenty of room in order to allow them to branch out freely, and make handsome specimens. 1 oz., \$1.00; ¼ oz., 30c; pkt. 15c

Lovely Blue Lobelias

Culture: D or E, A or B, Page 58

Dwarf Varieties

The compact class form bushy plants fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration.

- 3040 **Bedding Queen.** 4 in. Dwarfest, best for ribbon bedding. Flowers deep purplish-violet, with clear white eye. Pkt., 15c.
- 3041 **Blue Gown.** Clear deep blue, without eye, fine compact habit. Pkt., 25c.
- 3042 **Blue Stone Re-Selected.** Compact habit, large flowers of brilliant mid-blue. 4 in. Pkt., 25c.
- 3053 **Cambridge Beauty.** Large light blue flowers, green foliage. Pkt., 25c.

- 3045 **Crystal Palace Compacta.** 4 in. Deepest blue, dark foliage. Pkt., 10c.

- 3050 **Emperor William.** Gentian blue flowers, light foliage, one of the best and most popular sorts. 4 in. Pkt., 10c.

- 3052 **Gracilis.** 10 in. Light blue. Pkt., 10c.

- 3056 **Snowball.** White. Pkt., 10c.

- 3070 **Mixed Colors.** Pkt., 10c.

- 3067 **Tenuior.** 15 in. Upright habit, large flowers of rich cobalt blue with white eye. Pkt., 15c.

Lobelia Cardinalis.—See Perennial Pages.

Trailing Lobelias

Are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

- 3065 **Sapphire.** Large, deep blue flowers, with a pure white eye. Pkt., 15c.

- 3060 **Speciosa.** 10 in. Dark blue, dark foliage. Pkt., 10c.



9989 **LAVATERA** Loveliness. Pkt., 15c.

Lavatera—Annual Mallows ☐

Culture: A or B, Page 58

Showy plants, covered with large flowers. 2½ ft.

9985 **Splendens Alba**. Silky, pure white. pkt., 10c

9991 —Mixed. Pkt., 10c

9989 —Loveliness. Rich rose pink flowers. Very effective as a garden plant. The bronzy foliage and stems making a fine foil to the flowers. Pkt., 15c.

Leptosyne ☐

Culture: A or B, C or D, Page 58

3010 **Stillmanii**. 1½ ft. One of the quickest flowering annuals, blooming within five weeks from date of sowing, and the golden yellow cosmos-like flowers continue in perfection for a long period. Excellent for cutting. Pkt., 10c.

3015 **Maritima**. (Sea Dahlia). 20 in. A cliff plant from California with graceful feathery foliage and large Dahlia-like flowers, yellow with golden center. Fine for cutting. Treat as a half-hardy annual and give a sunny situation. Pkt., 10c



2965 **KOCHIA** Childsii (Burning Bush). Pkt., 10c.

Kochia—Burning Bush ☐ 2½ ft. Annual Hedge Plant

Culture: A or B, D or E, Page 58

2965 **Childsii**. It resembles a close-clipped ornamental Evergreen. The pyramidal bushes are close and compact and of a pleasing light green. The plant may be grown singly or in the form of a hedge or background and may be clipped to form a perfect hedge, an excellent substitute for boxwood to edge beds. In early autumn the whole bush becomes carmine or blood-red. Flowers small and numerous, but not conspicuous. Oz., 50c; ½ oz., 25c; pkt., 10c.

Mimosa (Sensitive Plant) ☐ 1 ft.

Culture: D or E, A or B, Page 58

3270 A pretty and curious foliage plant with leaves like those of the Acacia. They are very sensitive and close up immediately if touched or shaken. Pinkish white flowers. Pkt., 10c.

Marvel of Peru or Four O'Clocks ☐

Culture: A or B, D or E, Page 58

Showy summer and fall blooming plants that do well everywhere. Flowers open in the afternoon and all day if it is cloudy. It is little known that roots may be lifted in the fall and stored like Dahlias to be replanted in spring. It will result in larger plants, stronger, with more flowers. Four O'Clocks makes an interesting low hedge very rapidly

3290 **Mixed Colors**. Lb., \$3.40, ¼ lb., 90c; 1 oz., 30c; pkt., 10c

3297 **Dwarf Mixed**. Pkt., 10c



3039 **LINARIA** Fairy Bouquet Mixed. Pkt., 15c.

Linarias (Baby Snaps)

12 to 18 in. ☐

Culture: A or B, Page 58

Also known as miniature snapdragons, are very charming free flowering border plants in bright and pastel tones. To get best results thin to 18 inches

3039 **Fairy Bouquet**. 8 in. A strain greatly improved by more compact growth, and with large flowers of rose, yellow, pink, lavender, carmine, red, violet, white and salmon. ¼ oz., 35c; pkt., 15c.

3034 **Maroccana Hybrida Excelsior, Mixed**. Colors range through crimson and gold, pink, mauve, dark blue, chamois, rose, and lighter art shades. Pkt., 10c

Lazy Daisy ☐

Culture: A, B or C, Page 58

3004 The buds are pink-suffused, but the flowers are the purest of whites, though still with hint of pink in reverse. Very many overlapping petals, pointed at the tips. The blossoms are about an inch across, tiny yellow centers, petals radiating in horizontal plane to make a flat, upfacing bloom; foliage scanty, flower-obscured. The plants bend over under burden of bloom until they lie along the ground sending thence their six-inch blossom-mantled thickets. They're Lazy Daisy because of this reclining habit. Rather quick and easy if sown early while soil is cool. Practically everblooming. Pkt., 25c.

Linum ☐

Culture: A, B, C or D, Page 58

3020 **Grandiflorum Rubrum (Crimson Flax)**. 2 ft. Brilliantly colored summer annuals, glowing crimson-rose. May be had in bloom from May to October by successive sowings. ¼ oz., 25c; pkt., 10c.

Mesembryanthemum (Ice Plant) ☐

Culture: A, B, D or E, Page 58

2869 **Criniflorum (Livingstone Daisy)**. Plants of slightly spreading, Daisy-like flowers. 2 inches, pure white edged with rose, crimson, pink and buff; and self colors. Will grow in crevices of paving or old walls and thrives in poor soil. Pkt., 25c



3290 **MARVEL OF PERU** (Four O'Clocks) Mixed. Pkt., 10c.

Annual Lupines ☐

Culture: A or B, D or E, Page 58

Free flowering, easily grown annuals, with long, graceful spikes, pea-shaped flowers. The fine, dark, glossy foliage makes an admirable foil for the long spikes of bloom; prefers a little shade.

Nitragin for inoculating Lupin Seed, Garden Size Pkt., 10c.

3091 **Hartwegii, White**. Pure white flowers

3085 —Cambridge Blue. Sky blue.

3080 —Oxford Blue. Dark blue.

3088 —Rose.

King or Giant Hartwegii. 3 to 4 ft. Base branching plants each bearing six to eight large flowers

3076 **King Dark Blue**. 3077 **King White**.

3075 —Heliotrope. 3079 —Mixed.

3078 —SkyBlue.

3100 **Subcarneus (Texas Bluebonnet)**. 15 in. The flowers are of a delightful blue, with blotch of deep rosy flesh.

Each of the above, pkt., 10c; any 3 pkts., 25c.

3105 **Tall Annual Sorts, Mixed**. ¼ oz., 30c; pkt., 10c.



3079 **LUPINUS** (King) Mixed. Pkt., 10c.

Matricaria ☐

Culture: D or E, A or B, Page 58

3205 **Capensis Fl. Pl. (Feverfew)**. 3 ft. Neat, small, double white flowers, well adapted for borders, beds and cutting. They are perennial, but may be treated as annuals. Pkt., 10c.

3206 **Capensis Improved**. Select flat petaled type snow-white flowers. Pkt., 35c.

3208 **Golden Ball**. 1 ft. Of compact habit, with very striking double yellow flowers. Pkt., 10c.



3187 MARIGOLD Flash. Pkt., 25c.

Best Marigolds ☐

Culture: A or B, D or E, Page 58

Carnation Flowered

3129 California Gold. 2½ ft. Attractive deep orange flowers, with long loose petals artistically arranged, without the disagreeable Marigold odor of the foliage. Flowers 2½ in. across on good wiry stems. Pkt., 15c.

3152 Orange Supreme. Except for its deep orange coloring, this is a twin for Yellow Supreme, which can pass for a Carnation in table arrangements, and is conceded to be best of its class. Flowers reach 4 to 5 inches, on long stems, plants 3 feet tall. Pkt., 25c.

3124 Yellow Supreme. A large bloom of honey fragrance, with broad, loose, frilled petals of a rich lemon-yellow, largest of true "Carnation flowered" type. Plants are vigorous, with foliage practically free from Marigold odor. Pkt., 10c.

3123 Guinea Gold. 2 to 2½ ft. The original Carnation-flowered type, producing flowers 2 to 2½ inches across, of brilliant orange flushed with gold. Practically 100% double. This is an early flowering sort. ½ oz., 35c; pkt., 10c.

Chrysanthemum Flowered

3153 Goldsmith—See Novelties. Pkt., 25c.

3127 Limelight—See Novelties. Pkt., 15c.

3132 Mission Yellowstone—See Novelties. 25c.

3140 Vaughan's Chrysanthemum Flowered Hybrids. 3 ft. An early flowering strain, bearing flowers of several distinct types, and tones of orange and yellow. Some have quilled and incurved petals, others flat Carnation-type flowers. Pkt., 15c.

Gigantea or Dahlia Flowered

3141A Orange Sunset. Giant deep orange. Pkt., 15c.

3142 Sunset Giants 3½ to 4 ft. Flowers 7½ inches in diameter are sometimes produced by plants of this giant strain, largest of all Marigolds. The average size is less, but still exceptionally large. Color varies, yellow and orange. Plants vigorous, heavy stems, 60% double. Pkt., 15c.

3177 Dwarf Pot of Gold—See Novelties. 25c.

3155 Super Giant Mixed. All large flowered sorts. Pkt., 25c.

Miscellaneous

3141 Crown of Gold. The first known Marigold with odorless foliage. Flower centers are of short curled, quilled petals with a collar of flat guard petals on outside. Color is orange, 2½-inch flowers, fragrant, 2½ feet tall. Pkt., 20c.

3154 Vaughan's Treasure Chest. 2½ to 3 ft. Colors run from deepest orange through golden orange, golden, golden yellow, lemon-yellow, buff-yellow to lightest primrose. Some Chrysanthemum-like but mostly of the Carnation and Peony-flowered forms, many 5 in. across. Pkt., 15c.

3187 Marigold Flash. All America Silver Medal, 1945. The name "Flash" is descriptive of the bright combination of colors which range from vivid red through bronze with a few yellow flowers to give a harmonious contrast to the massed brilliance of the fiery alive plants. In most of the flowers the base color of tangerine is overlaid with rich marigold-red. Individual flowers of this new Single French Marigold grow 1½ in. and more across; the plants, 18 in. tall. Pkt., 25c.

Double Dwarf French Harmony Type

A selection of new strains and varieties in the popular crested center type. 12 in. to 14 in.

3164A Butterball—See Novelty Pages. Pkt., 25c.

3174 Harmony. Dwarf, compact, early, golden yellow bordered, maroon red. ¼ oz., 60c; ½ oz., 35c; pkt., 15c.

3160 All Double Golden Harmony. Pkt., 15c.

3168A Melody. Excellent rich orange, compact, dwarf. Pkt., 25c.

3169A Scarlet Glow. 1 ft. In the sun this flower glows and seems redder than any other Marigold. Pkt., 25c.

3169 Spotlight. Rich yellow bordered mahogany red, 1½ inch, very early. All Double. Pkt., 25c.

3170A Spry. See Novelty Pages. Pkt., 25c.

3165 Sunkist Orange. See Novelty Pages. Pkt., 25c.

3170 Harmony Hybrids. Wide and varied range striking color combinations, 1½ inch flowers with crested center and flanking guard petals, early, 100% All Double. Pkt., 25c.

Dwarf French Double Sorts 10 in.

3167 Gold Ball. **3168 Lemon.**

3166 Robert Beist. A warm shade of shining purple scarlet. Each of the above, pkt., 10c.

3171 Monarch Strain of Dwarf French,

Double Mixed. Symmetrical compact habit, including orange, bronze and mahogany. ¼ oz., 35c; ½ oz., 25c; pkt., 10c.

3158 Dwarf French All Double Early Flowering Mixed. Pkt., 15c.

3181 Dwarf Royal Scot All Double. 10 in. Dwarf bushy growth. Mahogany and gold. Pkt., 15c.

Single Dwarf Varieties

3178 Fire Cross (Improved Legion of Honor). Each deep orange-yellow petal carries a large crimson-maroon blotch. Pkt., 10c.

Single Tall French

3156 Wildfire. 18 in. This seed bearing hybrid between French and African varieties, bears single flowers which sometimes reach 3 inches in diameter, varying in color and markings on the same plant. Blooms in eight weeks from sowing, flowering until frost comes. Pkt., 10c.

3186 Flaming Fire. 2½ ft. The long stemmed, brightly colored, large single flowers, 2 in. across, at times are flaming red, at other times red and yellow. Plants bloom in about 12 weeks. Pkt., 15c.



3170 MARIGOLD Harmony Hybrids. Pkt., 25c.



3129 MARIGOLD California Gold, Pkt., 15c.

Marigolds with Odorless Foliage

3159 Honeycomb in novelties. Pkt., 25c.

3129 California Gold. Pkt., 15c.

3141 Crown of Gold. Pkt., 20c.

3124 Yellow Supreme. Pkt., 10c.

3195 Special Mixture of Odorless Foliage Varieties. Pkt. 25c.

3175 Vaughan's Special Mixture of Dwarf Double and Single Varieties.

These dwarf, compact strains are very attractive, each plant being covered with hundreds of small bright flowers, including listed varieties and many others of charming variations. ½ oz., 50c; pkt., 10c

3150 Vaughan's Special Tall Mixture.

This mixture includes all the African sorts, including this year's novelties. A packet will give you flowers of enormous size in a wonderful assortment of color.

½ oz., 50c; pkt. 15c



3152 MARIGOLD Orange Supreme. Pkt., 25c.



3201 MARIGOLD Gnome Pkt., 15c.

A Golden Shower

3201 Gnome. A dwarf form of *Signata Pumila*. The plants are more dwarf, even and compact. The pretty orange colored flowers are produced all summer. Plant or thin to 6 inches apart. Pkt., 15c

3200 Mexican Marigold (*Signata Pumila*). 10 in. A miniature type forming compact plants completely covered with bright yellow flowers. Pkt., 10c.

3149 Tom Thumb Golden Crown. 10 in. A dwarf form of *Guinea Gold*. Golden yellow flowers, of *Carnation* type are produced, often 25 to 30 on a plant. Pkt., 15c.

3174A Dwarf Golden Bedder. Earliest of all, uniform, covered with golden orange flowers of *chrysanthemum* type. Pkt., 25c.

First Tall Red Marigold

3173A Idabelle Firestone. Tall double flowering Hybrid of the African and French species has 2 1/2-inch mahogany red flowers on vigorous 3-foot bushes. Pkt., 25c.

Double Tall African 30 in.

3134 Alldouble Orange. Exactly like tall African Orange Queen in size and color and comes about 90% double from seed. Pkt., 15c.

3133 Alldouble Lemon. Yellow, same as preceding only the color is light yellow, about 90% double. Pkt., 15c.



1922 MORNING GLORY. Royal Ensign. Pkt., 20c.

DWARF MORNING GLORY 1 ft.

Showy hardy annuals for beds and borders, also rock-work; they bloom for a long period and delight in sun.

1922 Dwarf Royal Ensign. A deep bright ultramarine; the deepest and brightest of all blue annuals, with a white halo and gold throat. The plants are covered with their attractive blossoms all summer. Use for edging and borders. Pkt., 20c.

1920 Dwarf Mixed, all colors. Pkt., 10c.

Morning Glories

Culture: A or B, D or E, Page 58

If sown outdoors, do not sow until the ground is warm and summer established. Give plants full sun and do not overfeed, as this may limit flowers. Over 10 feet.

2942 Heavenly Blue Improved. The color is a deep sky blue, shading lighter toward the center; the flowers are large and freely produced and the plants flower early and continue throughout the summer. Early flowering and the flowers remain open to six o'clock in the evening on cloudy days. Oz., \$1.00; 1/4 oz., 30c; pkt., 15c.

2941 Clark's Early Flowering. A strain of Heavenly Blue selected for earliness. Flowers measure 3 1/2 to 4 inches across. To sow indoors, nick through hard outer shell of seed with knife or file. Then sow in flower pot in good friable soil, and place where bottom heat of at least 70 degrees is provided. Keep indoors until weather is warm. 1/4 oz., 30c; pkt., 15c.



2901 MORNING GLORY. Giant Cornell. Pkt., 20c.

2901 Giant Cornell

The flowers, as large as Heavenly Blue, are an intense carnelian red with pure white border, reproducing the colors of Cornell University, presenting a very gay appearance. Growth is rapid and flowers come early, when vine is two feet tall, increasing in number until killing frosts arrive. 1/4 oz., 50c; pkt., 20c

2938 Columbia. The vines grow about 10 ft. and produce many 3 in. trumpets of blue, edged bluish white with a reddish star. Pkt., 25c.

2943 Improved Pearly Gates. This is a white sport of the lovely Heavenly Blue morning glory, and is similar in size, vigor of growth and abundant bloom, to that unsurpassed climber. Pkt., 25c.

2948 Scarlett O'Hara. Stunning 3 1/2-in. flowers of a soft velvety scarlet, borne in profusion from July until frost. The flowers stay open longer in the day than other sorts. 1/4 oz., 60c; pkt., 20c.

1908 Crimson Rambler. A bright ruby red, member of the *Convolvulus* family which clambers over an arbor in record time. Pkt., 10c.

2945 Double Rose Marie. A double Morning Glory which is something to talk about. It produces freely its lovely double flowers. Pkt., 15c.

Day Flowering Ipomoeas

2925 IMPERIAL MORNING GLORIES

Vaughan's Special Mixture. The colors run from snow-white through all tones of blue, red, and purple. Sun-loving plants do best when protected from north and west wind. 1/4 oz., 30c; pkt., 10c.

2950 Setosa (Brazilian Morning Glory). Leaves are 9 inches across; flowers 2 inches, tinted pink with a star of satiny pink. Curious seed pods. Pkt., 10c.

2937 Alamo or Mile-A-Minute Vine. Fast growing delicate foliage vine, excellent cover for fences or trellises, flowers 1 1/2 in., creamy white, center deep wine red, open late morning and afternoon. Pkt., 10c.

CONVOLVULUS (Morning Glory)

Culture: A or B, D or E, Page 58

1900 Tall Mixed, all colors. 1 oz., 25c; pkt., 10c.



2942 MORNING GLORY. Heavenly Blue Improved. Pkt., 15c.

Red, White and Blue

2940 Red, White and Blue Collection. One packet each of Scarlett O'Hara, Heavenly Blue and Pearly Gates Morning Glory (value 60c), for 40c.

2935 Red, White and Blue Mixture. A balanced mixture of the above. Pkt., 25c.

Night Flowering

IPOMOEA (Moonflower) □ = 20 ft.

2895 Bona Nox (Evening Glory). Violet. Pkt., 10c.

2905 Mexicana Grandiflora Alba (White Moonflower). Covered with large white flowers every evening and cloudy day. Pkt., 10c.

2910 Giant Pink. Soft lilac-pink flowers. Pkt., 10c.



2948 MORNING GLORY Scarlett O'Hara. Pkt., 20c.



2943 MORNING GLORY. Improved Pearly Gates. Pkt., 25c.



3245 MIGNONETTE Machet. Pkt., 10c.

Sow For Fragrance

Mignonette (Reseda) □

Culture: A or B, Page 58

A well-known, old-fashioned flower of no great beauty, but highly prized for its fragrance, either in the garden or in mixed bouquets. The plants resent moving and seed should be sown where they are to bloom thinning them to a foot or more apart.

3234 **Golden Goliath.** Deep golden yellow flowers. Pkt., 15c.

3235 **Goliath Red.** 2 ft. Giant red flowering variety. Very fragrant. Pkt., 10c.

3245 **Machet.** 15 in. It is the best Mignonette for all purposes, either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall. $\frac{1}{8}$ oz., 25c pkt., 10c.

3260 **Mixed.** Also many shades and types $\frac{1}{2}$ oz., 25c; pkt., 10c.

EVENING SCENTED STOCK or PERFUME PLANT

Culture: A or B, Page 58

3212 **Matthiola Bicornis.** □ 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume perceptible at a distance. Pkt., 10c.



3420 NIGELLA Miss Jekyll. Pkt., 10c.

Nigella (Love-in-the-Mist) □

Culture: A or B, D or E, Page 58

3420 **Miss Jekyll Dark Blue.** A lovely variety, bearing on long stems, large semi-double flowers of a charming intense dark blue nestling in fine feathery foliage. Pkt., 10c.

3415 **Mixed Blue and White.** 8 in. Pkt., 10c.

34 INDEX ON FINAL PAGES

Myosotis — Forget-Me-Not □ 1 ft.

Culture: A, B or C, Page 58

Will bloom the first year from seed, so treat as annuals. If wintered over, Alpestris varieties will bloom in early spring; they delight in well-drained soil in a sunny location. Other varieties listed will bloom from March until frost and prefer cool, moist loam and half-shade. For beds, borders, rock gardens, pots and cutting

3321 **Alpestris Blue Eyes.** Bright blue with white eye, large, early. Pkt., 15c.

3328 **Alpestris Indigo (Sutton's Royal Blue).** Pkt., 10c.

3329 **Alpestris Dwarf Indigo.** Deep blue. Pkt., 20c.

3330 **—Rosea.** Pink. Pkt., 10c.

3356 **Vaughan's Early and Late Flowering Blue Bird.** 1 ft. A beautiful deep blue variety. A perennial which blooms from seed if sown early the first year. Pkt., 25c.

Dwarf Forget-Me-Not

Victoria 8 in. Dwarf globular plants, completely covered with bloom, best variety for borders and pots.

3341 **Victoria Indigo Blue.** Pkt., 15c.



3356 MYOSOTIS Blue Bird Pkt., 25c.

Nicotiana □ 2 ft.

Sweet-Scented Tobacco Plant

Culture: A or B, D or E, Page 58

Their long tubular flowers close in midday, but open as evening approaches and give forth a rich perfume.

3390 **Affinis.** One of the most delightfully fragrant flowers, giving a continuous display of waxy white flowers right through the summer and autumn. The plants are of branching, bushy habit, carrying their flowers in clusters. Pkt., 10c.

3392 **Affinis Hybrids.** Splendid hybrids in blue, red and rose shades. $\frac{1}{8}$ oz., 25c; pkt., 10c.



3393 NICOTIANA Affinis Crimson Bedder. Pkt., 15c.

3393 **Affinis Crimson Bedder.** The flowers are of a rich deep crimson. 15 in. Pkt., 15c.

3391 **—Dwarf Crimson Flame.** Petunia-like flowers form five pointed red stars, very fragrant. Pkt., 25c.

3404 **Orange Blossom (Miniature White).** 18 in. An elegant small flowered pure white species; delightfully scented; even, upright growth. Daintier than the Affinis or Sanderae Hybrids. Pkt., 25c.

3396 **Sanderae Crimson King.** Dark velvety crimson-red flowers. Pkt., 10c.

3397 **Sanderae Hybrids.** Pkt., 10c.

Microsperma □ 8 to 9 in.

Culture: A, B or D, Page 58

3314 **"Golden Tassel."** It forms a compact plant strikingly like a Chinese Primula. The upright flowers, 2 inches across, are adorned with a multitude of stamens, which add greatly to their beauty. Sowings should be made in heat about the end of February to March, the seedlings repotted and put out of doors at the end of May. Pkt., 25c.



3404 NICOTIANA Orange Blossom Pkt., 25c.

Mimulus □

Culture: D or E, Page 58

3275 **Moschatus (Musk Plant).** 10 in. Trailing plant for damp, shady places. Small yellow flowers, without odor. Fine for the rock garden. Pkt., 25c.

3280 **Tigrinus (Monkey Flower) Queen's Prize, Single Mixed.** 1 ft. Dwarf bushy plants, with large Gloxinia-like flowers. Pkt., 10c.

Nemesia □

Culture: D or E, Page 58

The orchid-like flowers range from rose to yellow orange and blue. It should have an early start in greenhouse or hotbed so it can flower before mid-summer.

3365 **Dwarf Blue Gem.** 7 inches. One of the best blue annuals for bedding. Pkt., 15c.

3360 **Large Flowered Mixed.** 1 ft. Is the finest strain for size and richness and variety of colors. Pkt., 15c.

3359 **Triumph Hybrids.** A splendid race of these popular annuals. The plants grow 6 to 8 inches high, in bushy form, and bear continuously, myriads of brilliantly colored flowers; cream, orange, yellow, crimson, rose, scarlet, etc., tipped with other colors. Pkt., 15c.

Nemophila (Baby Eyes) □ 6 in.

Culture: A or B, D or E, Page 58

Hardest of annuals, and of the easiest culture.

3376 **Insignis, Blue.** Lovely cup-shaped, sky blue flowers with white center. Pkt., 10c.

Fragrant Nasturtiums □

Culture: A or B, D or E, Page 58

NASTURTIIUMS will really grow on soils incapable of supporting any other plants, and are most useful on dry, sandy, or gravelly banks. Leaves of Nasturtiums may be used for sandwich fillings and salads and the green seed pods may be used in pickles.

Aphis on Nasturtiums. One of our friends writes in "Horticulture": "I am not troubled with aphis, if I sprinkle moth balls on the ground quite close to the stems of the plants." Red Arrow is also recommended.

Tall, Double Fragrant Varieties

- 733 Fire Gleam.** Bright scarlet. Pkt., 10c.
735 Golden Gleam. The large double, golden yellow flowers on long stems are borne profusely well above the bright green foliage. Oz., 25c; pkt., 10c.
732 Indian Chief. It has dark foliage and vivid scarlet flowers. Oz., 25c; pkt., 15c.
737 Orange Gleam. Clear deep orange colored flowers. Oz., 25c; pkt., 10c.
738 Salmon Cerise. Pkt., 10c.
736 Scarlet Gleam. The flowers are a fiery orange-scarlet. Oz., 30c; pkt., 10c

3745 Vaughan's Special Mixture of Tall Nasturtiums. In this will be found all the choicest colors of all the Tall Nasturtiums, both single and double, and will furnish a brilliant display of flowers. $\frac{1}{4}$ lb., 55c; 1 oz., 25c; pkt., 15c.



Dwarf, Double Fragrant Varieties

- 3561 Globe of Fire.** Flowers of flaming red, contrasting vividly with the dark green leaves, are borne in great abundance upon a compact dwarf plant. Pkt., 15c.
3558 Golden Globe. Identical in color with Golden Gleam, but making bushy plants which the freely produced blossoms convert into mounds of gold. Oz., 30c; pkt., 10c.
3542 Mahogany Gem. The velvety, brilliant flowers are rich, deep mahogany. Red wallflower color. Pkt., 15c.
3543 Orange Glory. The large flowers are bright orange; the base of each of the upper petals and most of the inside of the throat are painted with deep garnet-brown. Narrow lines of this latter color radiate like a fan over the upper petals, but disappear in an overlay of orange-chrome. Pkt., 15c.
3545 Ruby Gem. Dwarf, compact, globe-shaped plants covered with large double, semi-bright ruby colored flowers. Pkt., 15c.
3546 Salmon Gem. Soft golden salmon. Pkt., 15c.
3547 Scarlet Empress. Deep scarlet flowers, very dark foliage. Pkt., 15c.
3560 Dwarf Double Gem Mixed. Ideal for edging beds and window boxes. It produces an evenly balanced range of bright colors. $\frac{1}{4}$ lb., 90c; oz., 30c; pkt., 15c.

3570 Vaughan's Special Mixture of Dwarf Nasturtiums. This mixture is put up by ourselves from named sorts of the single and double varieties which have the richest and most varied combination of colors. $\frac{1}{4}$ lb., 55c; 1 oz., 25c; pkt., 15c.

Nierembergia □

Sheets of Lavender Bloom

Culture: D or E, Page 58

- 3411 Hippomanica Coerulea.** Grows not more than 4 to 6 inches high, forms a cushion of elegant light green foliage from which emerge cup-shaped flowers of a delicate lavender hue, 1 to $1\frac{1}{4}$ inches across. Blooms the entire summer. Pkt., 25c.
3412 Coerulea Purple Robe. This is like the pale lavender Hippomanica, in its compact growth, completely covered with bloom, but its flowers are of deep violet, unfading in the hot sun, where Hippomanica would bleach to almost white. Blooms in 15 weeks from sowing, prefers sandy soil and sun, splendid for bedding and edging. Pkt., 25c.

Nicandra

Culture: A or B, Page 58

- 3389 Physaloides.** Apple of Peru or Shoo-fly Plant. A strong spreading annual, 3-4 ft. high, grown for the showy blue flowers and odd fruits. It is an old-fashioned garden annual now rarely seen. Pkt., 10c.

Oenothera □ $1\frac{1}{2}$ to 2 ft.

Culture: A, Page 58

The evening primrose is noted for its heavy scent, given off during the evening hours. Its yellow flowers attractive during the daytime, seem to reflect the moon at night.

- 3439 Lamarckiana (Evening Primrose).** Yellow. Pkt., 10c.

Oxalis □

Culture: D or E, Page 58

- 3445 Roses.** An excellent little plant for edging or rock gardens. Blooms all summer in profusion; flowers dark rose and pink. Pkt., 25c.



3926 PENTSTEMON Sensation Mixed. 25c.

Pentstemon

Culture: D or E, Page 58

3926 Sensation Mixture. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome Gloxinia-like flowers. Often 2 in. across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color. 2 ft. Pkt., 25c.

See Perennial Pages for other varieties.

Passiflora

Culture: A or B, D or E, Page 58

- 3910 Coerulea Grandiflora (Passion Flower).** Slender but strong grower. Flowers $2\frac{1}{2}$ to $3\frac{1}{2}$ inches across, slightly fragrant, greenish white; the corona is blue at the tip, white in the middle and purple at the base. Pkt., 10c.

ANNUALS AND PERENNIALS For Semi-Shaded Locations

- | | |
|---|----------------------|
| Anchusa Italica. | Linaria |
| Antirrhinum | Linum |
| Aquilegia | Lobelia |
| Asperula | Lupin |
| Balloon Vine | Mimulus |
| Balsam | Myosotis |
| Begonia | Nasturtium |
| Bellis Perennis | Nicotiana |
| Campanula | Nemophila |
| Centaurea | Pansy |
| Clarkia | Platycodon |
| Coleus | Poppies |
| Cynoglossum | Schizanthus |
| Delphinium | Stocks |
| Digitalis | Sweet William |
| Geum | Torenia |
| Godetia | Violas |
| 4746 Annuals for Shade or Semi-Shade Mixed. | |
| Pkt., 25c. | |
| 4747 Perennials for Shade or Semi-Shade Mixed. | |
| Pkt., 25c | |

Keep a garden book and write in it occasionally. It's heaps of fun to look over during the winter, and of much value during the next year. We go to ours to find when we planted our last corn the previous year, or when we had our first peas or first frost, or when the first robin or wren appeared, or what was the first and last to bloom of our flowers.



4001 PETUNIA Heavenly Blue Re-Selected. Pkt., 25c.

4017 PETUNIA Celestial Rose. Pkt., 25c.

Single Dwarf Small Flowering Petunias 12 to 15 in.

3996 **Admiral.** In uniform growth, and unvarying clear dark blue coloring of its abundant blossoms, this excels all other small-flowered blue Petunias. Pkt., 50c.

4017 **Celestial Rose.** Improvement on Rose of Heaven. More compact in growth and deeper in color. A beautiful rich satiny rose. Pkt., 25c.

4003 **Cream Star.** Covered all summer with small flowers of soft creamy white, with deeper cream throat. Gives effect of white in the garden. Plant in shade. Pkt., 25c.



3996 PETUNIA Admiral. Pkt., 50c.

3982 **English Violet.** This rosy mauve-violet or purple-violet, brings a distinct new color to its class. Very free-flowering plant of 12 to 15 inches is true and uniform. Pkt., 25c.

3994 **Red, White and Blue Petunia Mixture.** A blend of the three bedding varieties in these colors. Pkt., 25c.

4001 **Heavenly Blue Re-Selected.** A silvery light blue. Varies about 10% in shade. Pkt., 25c.

4005 **Improved Rosy Morn.** An improved strain of the clear pink bedding variety. Of deeper coloring, more compact growth, and freer flowering with the same white throat. $\frac{3}{8}$ oz., 50c; pkt., 15c.

4079 **Martha Washington.** 9 in. Blush pink deepening to dark violet throat, ruffled flowers. Pkt., 25c.

3989 **Radiance.** A cerise rose with enough underlying salmon to remove harshness. The throat is golden yellow. Pkt., 25c.

4018 **Rose of Heaven Select.** Rich brilliant rose, with inconspicuous white throat, darker than Rosy Morn. $\frac{1}{8}$ oz., 75c; pkt., 25c.

4020 **Snowball.** Pure satiny white. $\frac{3}{8}$ oz., 35c; pkt., 10c.

Small Flowering Single Petunias □

Culture: A or B, D or E, Page 58



4008 PETUNIA Topaz Queen. Pkt., 25c.

4008 **Topaz Queen.** Its scarlet-rose coloring is deeper and richer than Celestial Rose, and does not fade in the sun. Its habit is uniformly compact, flowers larger and borne freely throughout the summer. It is especially recommended for locations where the hot sunshine tends to pale the color of other varieties. Pkt., 25c.

4021 **Twinkles.** Masses of small brilliant rose flowers with well-defined pure white star. Pkt., 20c.

3990 **Violet Queen (Improved Blue Bird).** Rich violet, compact and dwarf, best strain. Pkt., 25c.

4025 **Vaughan's Special Mixture of Dwarf Small Flowering Varieties** includes all the varieties listed and many others, and will be a revelation to those who plant a packet, in furnishing an unending supply of flowers in a most bewildering combination of colors. $\frac{1}{4}$ oz., \$1.25; $\frac{3}{8}$ oz., 75c; pkt., 25c.



4018 PETUNIA Rose of Heaven, Select. Pkt., 25c.



4007 Petunia Glow. Pkt. 25c.

MOST VIVID RED

4007 **Glow.** The richest red small flowered single petunia, a dwarf, bushy plant, which is covered with $2\frac{1}{2}$ -inch flowers of dazzling carmine red. Pkt. 25c.

Single Small Flowering Petunias 18 to 24 in.

4006 **Flaming Velvet.** A rich velvety crimson, best of its color in this class. Pkt., 15c.

3975 **Howard's Star Improved.** Red purple with white star. Pkt., 10c.

4015 **Inimitable Blotched and Striped.** Magenta red and white spotted and starred. Pkt., 15c.

3986 **Topaz Rose.** Fiery velvety rose, very brilliant color will not fade. Pkt., 25c.

3980 **White King.** Showy clear snow white flowers. Pkt., 25c.

3995 **Finest Mixed.** $\frac{3}{8}$ oz., 50c; pkt., 10c.



4025 PETUNIA Vaughan's Dwarf Small Flowering Mixed. Includes all colors in this type. Pkt., 25c

SOWING FINE FLOWER SEEDS

One garden enthusiast mixes her fine seeds, such as Petunia, Poppy, etc., with ten times their bulk of dry sand, puts them into a salt shaker and sifts them over the beds or borders firming them with a board. A very practical idea. Try it!

Concord, Nebr., February 9, 1945
"All your seeds and plants are of the finest quality. I had a lot of fun last year with Fluffy Ruffles Petunia seed. Every plant I raised (and I raised a lot of them from that package of seed) was so gorgeous they raised oh's and ah's from every onlooker. I took prizes with them and enjoyed them all summer then selected six, a hard job too, and brought them in the house last fall. They have been blooming all winter." Mrs. G. C.



4055 **Snow Storm.** Large Flowered White. Pkt., 35c.

Large Single Flowering (Plain Edged) 12 to 16 in.

The flowers of this type average 3 to 4 inches across.

4073 Blue Beauty. A late flowering, clear, deep blue. Flowers of extra large size on plants of vigorous growth. Extremely free flowering. Pkt., 35c.

4057 Burgundy. Rich wine red with a contrasting white throat. Pkt., 25c.

4058 Elk's Pride, Re-Selected. Velvety black-purple, best of all dark blues. Pkt., 25c.

4055 Snow Storm. Glistening white, shadowing yellow in the throat. An improvement on White Cloud. 4 to 5 in. flowers. Pkt., 35c.

4067 White Cloud. Fine compact bushes only 12 inches high, richly covered with pure white blooms 3 to 3½ inches in diameter. Pkt., 35c.

4069 Ruffled Monsters. Semi-dwarf type of erect and robust habit. The flowers are very large and ruffled, with open shallow throats. The colors are mostly the desirable red and dark purple, richly marked and veined. Pkt., 50c.

4100 Vaughan's Best Mixture Large Flowering Single. Includes Giant Ruffled, all colors of large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats and mammoth flowers. Pkt. (300 seeds)..... **35c**



4100 PETUNIA Vaughan's Best Large Flowering single. Pkt., (300 seeds), 35c.

Large Flowering Petunias □

Culture D or E, Page 58

In dry season or wet, the Petunia is the most adaptable, long flowering and colorful of the garden annuals. There is an almost complete color range from the pure white to delicate yellow, through many shades to red and rich purple veined or blotched with plain or frilled edges. There are small, large single, and double flowered. Petunias make good cut flower material. We supply a leaflet on culture if asked for with order.

Large Single Fringed Flowering

4049 Dainty Lady. A large flowering single fringed variety of delicate golden yellow, the first really yellow Petunia. The plants are semi-dwarf and free-flowering. Plant in shade. Pkt., 35c.

4044 Gaiety. Plants are bushy, 8 to 12 in. high, and are covered with large, daintily fringed rose and white blooms. Pkt., 25c.



4062 **PETUNIA** Theodosia. Pkt., 35c.

4085 Giant Flowering Flaming Velvet. Vivid velvety dark red, comes 100% true. Pkt., 25c.

4054 Golden Jubilee. A most attractive variety with its fringed, 3½-inch flowers of bright carmine. *tinged scarlet, with golden throat. Pkt., 35c.

4047 Purple Beauty. 16 in. A large flower beautifully frilled, the best blue fringed Petunia. 50c.

4082 Scarlet Beauty. Very bushy, covered with rich scarlet flowers. The result of breeding from the popular Queen of the Market, from which it secured its brilliant color. Pkt., 25c.

4078 Setting Sun. Forms compact bushes 12 inches high, covered with fringed blossoms of rose pink, measuring 3 inches across. Pkt., 35c.

4062 Theodosia. 20 in. Fringed rosy pink with a clearly defined golden center. Excellent for porch boxes. Pkt., 35c.

4059 White Beauty. Fringed pure white. 25c.

All Double Petunias.—See Novelty Pages.

4076 Fluffy Ruffles Mixed. The flowers are so ruffled and frilled they have the appearance of being double. The flowers are very large with large throat. It is a well balanced mixture of pink, white, salmon, deep rose crimson, and light blue, about 75% will be ruffled. Pkt..... **35c**



4037 **PETUNIA** Balcony Black Prince. Pkt., 25c.

4065 Giants of California Mixed. A well balanced mixture containing a remarkably fine variety of colors, in blends of crimson white, violet, lavender and pink. Large flowers freely produced. Pkt..... **25c**

Balcony Type Petunias 18 to 24 in.

Single large flowering sorts, trailing habit.

4037 Balcony Black Prince. Dark crimson, rich and velvety.

4036 Balcony Cornflower Blue. Rich blue

4034 Balcony Red.

4041 Balcony Rose.

4039 Star of California. Violet crimson, with white star.

4035 Balcony White.

Each of the above, pkt., 25c; any 3 for 65c.

4042 Balcony Mixed. ⅜ oz., 60c; pkt., 25c

Giant Single Flowering 18 in.

The flowers of this strain average 5 to 7 inches across.

4071 Copper Red. Enormous flowers with a dark throat, deeply veined. Pkt., 25c.

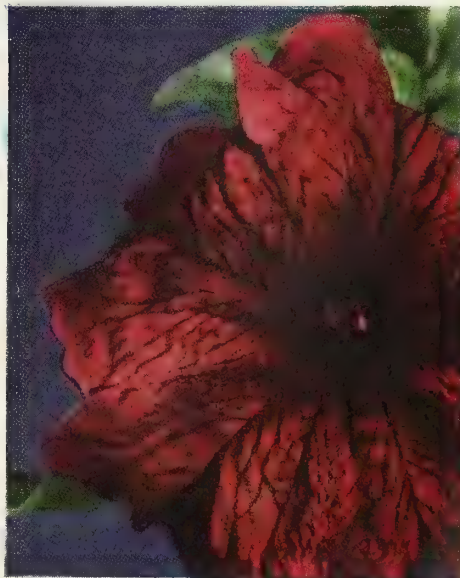
4090 Prince of Wuertemberg. Rich dark red with a dark throat. Darkest of all Petunias. Pkt., 25c.

4091 Princess of Wuertemberg. A ruffled giant rose flower with a garnet throat. Pkt., 25c.

4077 Salmon Beauty. True salmon pink, one of the outstanding varieties in our trials. Pkt., 25c

4066 Dwarf California Giants Mixed.

The habit of the plant is very dwarf, flowers very large and of the finest substance. All with open veined throats of the Superbissima type. Pkt. (250 seeds), 50c; 500 seeds, 90c.



4085 **PETUNIA** Giant Flowering, Flaming Velvet. Pkt., 25c.



3894 Vaughan's Super Swiss Giant Mixture. The flowers are gigantic size, perfectly round, fine substance of flower and good form of plant, and exhibit shades previously unknown in this family. They bloom early in the spring, continuing in flower all summer until late in fall. $\frac{1}{8}$ oz., \$1.25; Pkt., 35c

SPECIAL MIXTURES

3794 Vaughan's Super Maple Leaf Giant Mixture (Canadian Giants). The leaves are of giant size and flowers up to 4 inches across, of wonderful substance and fine form. Many charming colors. $\frac{1}{8}$ oz., \$1.50; $\frac{1}{4}$ oz., \$2.50. Pkt., 50c

3875 Vaughan's Giant Mixture. This mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc. All the flowers are of the Giant type and of good shape and texture. $\frac{1}{8}$ oz., \$1.50; Pkt., 25c



3891 PANSY Swiss Blue (Ullswater). Pkt., 25c.

Giant Pansies

Culture: A, B or C, Page 58

Pansies have long been a specialty with us. We introduced the Swiss Giants to American gardens and named and introduced the lovely Canadian variety Maple Leaf. Leaflet on culture will be supplied if asked for when ordering seed.

GIANT SWISS VARIETIES

3892 Alpenglow. Rich wine-red shades. Pkt., 25c.

3896 Berna. Dark violet blue. Pkt., 25c.

3891 Blue (Ullswater) (Thuner Sea). Deep blue flower with blue-black blotches. Pkt., 25c.

3820 Coronation Gold. The largest pure gold self. Pkt., 50c.

3897 Delft Blue. A delightful tone of translucent blue. Pkt., 25c.

3862 Fire Beacon. Bright wallflower red with a touch of orange. Pkt., 50c.

3895 Luna. Light straw yellow. Pkt., 50c.

3900 Pure White. Pkt., 50c.

3893 Yellow (Rheingold). Rich yellow with blotches on the three lower petals. Pkt., 25c.

3902 Swiss Pansy Collection. 1 Pkt. each of above 9 varieties, regular value \$3.25 for \$2.75.

3786 Masterpiece Well Known Strains, (Friedl Pansy). A remarkable type, each petal being conspicuously curled or waved. Color range extensive, rich, dark, velvety shades predominating. Pkt., 25c.

3840 Trimardeau Mixture. It has a complete color range, but lacks the newer varieties. $\frac{1}{8}$ Oz., \$1.25; Pkt., 15c.

3881 Engelmann's Giant. A special strain selected and developed by an English grower. The plants are dwarf and compact and the huge flowers, in many dark and light tones, appear early. Pkt., 50c. For Viola Cornuta see Page 43.

Baby Pansies Bloom in 70 days from Seed

3761 Baby Delight. An ideal Pansy for spring blooming. Makes dwarf but compact bushy growth with a height of not more than 8 in. The flower lovely light blue, with a pleasing "face" about 1 inch in diameter. Pkt., 20c.

3762 Mrs. A. H. Scott. Another of the "baby group", top petals white, lower ones violet purple. A brilliant combination. Pkt., 20c.

Phacelia ☐ 8 in.

Culture: A, B, D or E, Page 58

4101 Campanularia. Sow where they are to grow. Dwarf plants bearing terminal racemes of gentian blue flowers with conspicuous white anthers. Pkt., 10c.

4515 PYRETHRUM Aureum Golden Feather

Culture: A or B, D or E, Page 58 ☐

6 in. Edging plant grown for its beautiful yellow foliage. Pkt., 10c.

Rudbeckia

Culture: A or B, D or E, Page 58

8465 Herbstwald Autumn Tints. 2 ft. A perennial which blooms the first year from seed sown in March, furnishes star flowers of fiery autumn coloring called "Gerberas of the North." Pkt., 25c.

8467 Double Kelvedon Star. A double and semi-double form of Kelvedon Star. The lively shades golden yellow and mahogany are very attractive. Pkt., 20c.

4582 My Joy. Giant Black-Eyed Susans. Flowers very large, some over five inches in diameter, of an orange-yellow with rather small cone. Pkt., 15c.

4584 Starlight. Large-flowered, semi-double selection of Kelvedon Star, a free bloomer. Color from primrose yellow to mahogany and bicolors with mahogany centers. About 3 feet tall. Pkt., 25c.

3930 PERILLA Crispa. 35 in. Big jaggedly fringed leaves in burnished purple-bronze, metallic in luster. Little blue flowers. A strikingly decorative foliage Annual of easiest culture. Pkt., 15c.



3892 PANSY
Swiss Alpenglow.
Pkt., 25c.

Sanvitalia ☐ 6 in.

Creeping Miniature Zinnia

Culture: A or B, D or E, Page 58

4690 Procumbens. Like tiny Zinnias, golden with purple centers, single and double. The plants creep over the soil. June until frost. $\frac{1}{8}$ oz., 25c; pkt., 10c.

Phlox, the Gayest Annual

Culture: A or B, D or E, Page 58

For a brilliant display, plant Vaughan's Special Mixture. Seed may be sown in the open as soon as frost danger has passed. Sow where the plants are to flower as they do not like to be transplanted. 12 inch.

Grandiflora Varieties ☐

This section has beautiful, round-petaled flowers, which overlap each other.

- 4113 **Brilliant.** Rose with dark eye.
- 4120 **Chamois Rose.**
- 4110 **Flaming Velvet.** Rich deep reddish purple.
- 4125 **Fiery Scarlet.**
- 4115 **Flesh Color.**
- 4140 **Isabellina.** Buff yellow.
- 4149 **Pure White.**
- 4155 **Rose.**
- 4146 **Rose with White Eye.**
- 4150 **Scarlet with White Eye.**
- 4159 **Violet Blue.**
- 4161 **White with Dark Eye.**

Each of the above, pkt., 15c; any 3 pkts., 40c.

4165 Splendid Mixture.

½ oz., 55c; pkt., 15c.

4175 Cuspidata or Star Mixed.

Quaint and unusual flower formation. ½ oz., 65c; pkt., 25c.

Phlox Nana Compacta Dwarf

These make symmetrical bushes, covered with flowers during the whole summer and fall. 8 in.

- 4183 **Fireball.** Blood-red.
- 4205 **Nana Compacta Mixed.** All colors. ¾ oz., 75c; pkt., 25c.

HARDY PHLOX — See Perennial Pages.



4220 PHLOX Vaughan's Special Mixture. Pkt., 25c.

4220 PHLOX VAUGHAN'S SPECIAL ANNUAL MIXTURE.

Contains all the Grandiflora varieties listed here and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. ¼ oz., \$1.85; ½ oz., \$1.00; pkt. 25c

Portulaca ☐

Culture: A, D, Page 58

Moss Rose For Hot, Dry Places

Portulaca makes a brilliant carpet for a sunny spot where a ground cover is needed. Flowers like little Roses. In sowing, mix the seed with many times its bulk in dry sand. Sow in May, when the ground is thoroughly warmed. Easily transplanted. Fine for ground covers after bulbs have died down.

Large Flowering Single

- 4426 **Jewell.** See novelty pages for illustration and description. Pkt., 25c.

- 4430 **Single Mixed.** Oz., \$3.00; ¼ oz., 90c; ½ oz., 50c; pkt., 10c.



4455 PORTULACA Double Best Mixed. 15c.



4430 PORTULACA Single Mixed. Pkt., 10c.

Large Flowering Double

A certain amount will produce single flowers.

- 4435 **White.** Pure white. 4441 **Salmon.**
- 4438 **Golden Yellow.** 4443 **Scarlet.**
- 4440 **Pink.** 4444 **Sulphur Yellow.**

Each of the above, pkt. 15c; 2 pkts. for 25c.

- 4455 **Double Best Mixture.** Extra selected true double. 1 oz., \$4.00; ¼ oz., \$1.25; ½ oz., 75c; pkt., 15c.

Saponaria (Soapwort)

Culture: A or B, D or E, Page 58

- 4693 **Vaccaria Alba.** White.
- 4691 **—Rose.** 2 ft. Light graceful sprays of glistening pink flowers, somewhat like a "glorified" Gypsophila, produced in profusion.
- 4692 **—Mixed.** Each of the above, pkt., 10c.



4370 POPPY Shirley Vaughan's Special Mixture. Pkt., 15c.



4277 POPPY American Legion. Pkt., 10c.

Shirley Poppies 2ft. (SILK OR GHOST)

Culture: A, Page 58

Sow them early—since they defy frosts—and where they are to bloom, as they dislike transplanting. They flower in a few weeks from seed. Successive sowings should be made to provide continuous flowering. Mix the seeds with sand to scatter them, and thin out to 8 inches apart.

These have beautiful satiny flowers of various colors, all with white centers. Foliage is hairy and finely cut.

- 4277 **American Legion.** A dazzling orange-scarlet of enormous size. ¼ oz., 25c; pkt., 10c

- 4296 **Dazzler.** All double orange scarlet. Pkt., 10c.

- 4238 **Double Begonia Flowered Sweet Briar.** Sweet Briar is a delightful shade of deep rose-pink. The blossoms are full double. Pkt., 10c.

- 4239 **Double Begonia Flowered Mixed.** The flowers resemble the double tuberous rooted Begonias in form, and contain an assortment of lovely light shades. Pkt., 10c.

- 4368 **Double Shirley Ryburgh Hybrids.** Beautiful double satiny flowers in shades of white, pink and old rose with white center. Pkt., 10c.

- 4280 **Wild Rose Shirley.** 20 in. Shades of rose and pink. Pkt., 10c.

- 4281 **White Shirley.** White flowers are very popular, they neutralize the effect of the brighter colors in a garden. Pkt., 10c.

- 4370 **Vaughan's Special Mixture of Shirley Poppies.** Lovely and dainty shades, many edged and shaded with other colors. 1 oz., 75c; ½ oz., 40c; ¼ oz., 25c; pkt., 15c.

- 4270 **Tulip (Glaucum).** 20 in. Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. Oz., 50c; ½ oz., 30c; pkt., 10c.



4630 SALPIGLOSSIS Vaughan's Special Mixture. Pkt., 15c.



4560 RICINUS Zanzibar Mixed. 10c.

Ricinus (Castor Bean) □

Culture: A or B, D or E, Page 58

Giant, strong growing plants, with ornamental foliage. These plants drive away moles from a garden.

4546 Crimson Spire. 6 ft. Large purplish leaves changing to bronzy green. Stems, stalks and veins are rich red; seed spikes and seed pods are brilliant rosy crimson. Most showy of all. Oz., 50c; ½ oz. 30c; pkt. 10c.

4555 Sanguineus. 7 ft. Whole plant reddish purple, very effective. Pkt., 10c.

4570 Mixed. Many sorts. 1 oz., 50c; pkt., 10c.

4565 Zanzibar Enormis. Pkt., 10c.

4560 Zanzibar Mixed. 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant a perfect pyramid. Oz. 50c; pkt., 10c.

Periwinkle—See Vinca.

Salpiglossis □

Culture: A or B, Page 58

ONE of the easiest of annuals to grow, the Salpiglossis is rich in deep color tones rare in the floral world, which are set off by veins of gold, marking every flower. Its blossoms, similar in shape to a Petunia, on strong stems are borne profusely until frosts kill the plants. 30 inches.

- 4611 Blue and Gold.
- 4590 Bright Crimson.
- 4591 Brown and Gold.
- 4592 Chamois.
- 4600 Rose and Gold.
- 4613 Scarlet and Gold.
- 4601 Rose, Crimson and Gold.

- 4614 Velvety Red.
- 4595 Faust. Black.
- 4610 Golden Yellow.
- 4599 Purple and Gold.
- 4616 White and Gold.
- 4617 Violet and Gold.

Each of the above, pkt. 10c; any 3 pkts., for 25c.

4625 Emperor Mixed. Large improved strain. Complete range of colors ⅓ oz., 25c; pkt., 10c.

4615 Gloxiniaeflora Mixed. A special selection of the Painted Tube Tongue. Flowers large and fancifully veined in contrasting colors. Pkt., 10c.

4630 Vaughan's Special Mixture. This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. ⅓ oz., 30c; pkt., 15c.

4620 Dwarf Giant Flowered Salpiglossis. See Novelty Page 15. Pkt., 20c.

Dubuque, Ia.
February 18, 1945

"I would like you to know how much I appreciate your seeds and bulbs. Last year they seemed exceptionally good, too, we had a long blooming season here. I had beautiful selections of large flowering Petunias, mixed Scabiosas, Giant Asters and tall double Calliopsis." H. H.



4640 SALVIA SPLENDENS America, Pkt., 25c.

Salvias

Culture: D or E, A or B, Page 58

The brilliant scarlet Salvia Splendens, so highly valued in summer beds, borders, window boxes and as cut flowers, is by no means the only worthy member of this family. The rich Wedgwood blue Salvia Farinacea Blue Bedder is increasingly popular in summer borders.

Splendens Type

4640 America, or Globe of Fire. 16 in. Freest and most continuous bloomer; also the most uniform in habit, which makes it particularly valuable for bedding or ribbon planting. Pkt., 25c.

4646 Blaze of Fire. 12 in. Earliest of all. The compact plants are mounds of brilliant scarlet, starting to bloom when only a few inches tall and continuing in bloom until late fall. Pkt., 25c.

4655 Clara Bedman or Bonfire. 2 ft. The spikes grow erect above the foliage forming handsome globular bushes. ⅓ oz., \$1.00; pkt., 25c.

4662 Harbinger. The plants are dwarf and compact and dark foliage is very effective against the vivid scarlet of the flowers; seeded indoors in February, will begin to flower in June and maintain a blaze of color until frost. Pkt., 25c.

4669 St. John's Fire. Brilliant scarlet spikes in profusion. Dwarf, early and continuous bloomer. Pkt., 25c.

4671 Splendens. The well known popular scarlet sage. ⅓ oz., 60c; ¼ oz., \$1.00; pkt., 20c.

4667 Vaughan's Masterpiece. The finest dwarf extra early flowering variety. Massive scarlet spikes; even compact habit. Pkt., 25c.

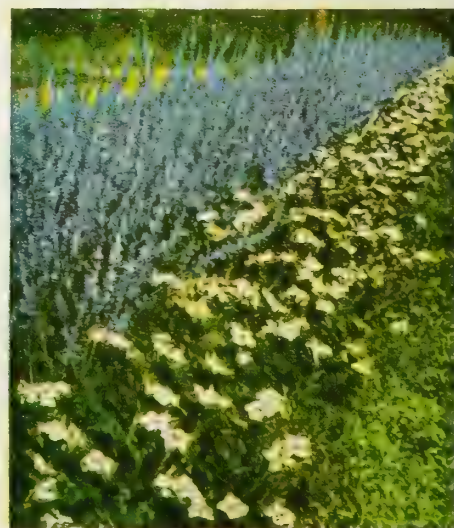
4670 Zurich. Early, dwarf and compact with large brilliant flower spikes. Pkt., 25c.

Other Salvias

Culture: A or B, D or E, Page 58

4683 Farinacea Blue Bedder. 2½-3 ft. A true Wedgwood blue. It makes a splendid background for all other colors in the border, and can be dried as an Everlasting. Is especially handsome when grown behind a line of pink Petunias. Pkt., 20c.

4685 —Royal Blue. Upright growth and of more intense color than Blue Bedder, with dark stems. Fine bushy plants, nice long spikes for cutting, and true. Pkt., 20c.



4683 SALVIA Farinacea Blue Bedder (in Background). Pkt., 20c.

5770 VINCA White (in Foreground). Pkt., 10c.

Madison Heights, Va.
February, 18, 1945

"May I comment on your catalog? It is a real pleasure to go through it—in fact, I really think the size of my order reflects what I think of the catalog!" M. P.

Scabiosa (Mourning Bride) □

Culture: A or B, D or E, Page 58

weet Scabiosas have a soft fragrance and add beauty to the garden picture. They are fast growing annuals and one of the most important for cut flowers. Blooms in long, slender stems, which are exceedingly graceful; known as the Pincushion flower because the stamens of some varieties are light in color and stick out so that they resemble pins stuck in a cushion.

COCKADE TYPE 3 FT.

has conical form with attractive depth of flower.

- 703 **Blue Cockade.** Pure deep azure. 4706 **Royal Cockade.** Salvia blue. Each of above, pkt., 20c.

DOUBLE LARGE FLOWERING 3 FT. SPECIAL STRAIN

- 714 **Ageratum or Amethyst Blue.** 4732 **Rosette.** Deep rose suffused salmon.
715 **Azure Fairy.** Azure blue.
727 **Loveliness.** Salmon rose shades. 4734 **Salmon Beauty.** Pure salmon.
729 **Peachblossom.** Peachblossom 4728 **Shasta Improved.** Enormous white.
Each of above, pkt., 15c; 3 pkts. for 40c.

737 **Vaughan's Mixture of Super-Scabiosa.** The above and other charming varieties. $\frac{1}{4}$ oz., 60c; Pkt., 25c.

731 **Blue Moon.** See Novelties. Pkt., 15c.

STANDARD DOUBLE VARIETIES 2½ FT.

- 725 **Black Prince.** Black purple. 4710 **Fiery Scarlet.**
720 **Cherry Red.** Crimson. 4730 **Rose.** Bright rose.
700 **Golden Yellow.** Sulphur yellow.
Each of above, pkt., 10c; 3 pkts. for 25c.

DOUBLE DWARF VARIETIES

744 **Heavenly Blue.** A lovely azure-blue very early. Plants are dwarf, 18 in., bushy, suitable for bedding. Pkt., 25c.

738 **Peace.** Flowers are 2 in. across, almost spherical; pure white. 2 ft. Pkt., 25c.

743 **Dwarf Double Mixed.** 1½ ft. Various colors. Do not require staking and are desirable for planting in front of the taller sorts. $\frac{1}{2}$ oz., 35c; pkt., 10c. See also Perennial Pages.

4740 **SCABIOSA** Vaughan's Special Mixture. Many new colors have been purchased for this and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed. $\frac{1}{4}$ oz., 50c; pkt. 15c



4737 **SUPER-SCABIOSA**, Vaughan's Mixed. Pkt., 25c.



4806 **STATICE SINUATA**, New Hybrids. Pkt., 15c.

Statice □ For Winter Bouquets

Culture: D or E, Page 58

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, and is indispensable in making winter bouquets.

4800 **Bondelli Superba.** 3 ft. Producing numerous heads of bright yellow flowers. Pkt., 10c.

4793 **Puberula.** 4-6 in. Flowers 5 months after sowing; magnificent dark violet blooms. Pkt., 25c.

4795 **Russian (Suworowii or Rat Tail).** 30 in. Flowers bright rose color. $\frac{1}{2}$ oz., 50c; pkt., 10c.

4801 **Sinuata Rosea Superba.** 3 ft. Pkt., 10c.

4808 **—Lavender Queen.** Clear bright lavender. Pkt., 10c.

4806 **—New Hybrids.** Art Shades, in a mixture for the garden and winter bouquets. Pkt., 15c.

4803 **—True Blue (Kampf's Improved).** Pkt., 15c.

4804 **—Pure White.** 3 ft. Pkt., 10c.

4805 **—Mixed.** 3 ft. Pkt., 10c.

Colorful Stocks □

Culture: A or B, D or E, Page 58

STURDY flower spikes covered with rosette blossoms in soft colors of an exceptional tone range. Stocks require a rich soil of a sandy, well manured loam. Only 60 per cent will come double. Sow seed early in the house and transplant outside when all danger of frost is over. Stocks are a cool temperature crop.

Bismarck or Giant Imperial

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes with long and thick flower stalks. The best variety for greenhouse use. 2½ ft.

- | | |
|--|---------------------------|
| 4921 Buttercup. Yellow. | 4946 Chamois. |
| 4945 Blood Red. | 4931 Dark Blue. |
| 4944 Elk's Pride. Royal Purple. | |
| 4947 Flesh. | 4930 Lilac. |
| 4948 Golden Rose. | 4929 Old Rose. |
| 4932 Lavender. | 4925 Shasta. White |

Price, each of the above, pkt., 15c.

4949 **Bismarck Mixed.** $\frac{1}{2}$ oz., 50c; pkt., 15c.

Dwarf Large-Flowering Double Ten Weeks Stock 12 in.

- | | |
|----------------------------|-------------------------|
| 4845 Blood Red. | 4850 Light Blue. |
| 4835 Canary Yellow. | 4841 Rose Pink. |
| 4856 Dark Blue. | 4830 White. |

Each of the above, pkt., 10c; any 3 pkts. for 25c.

4865 **Best Mixed.** $\frac{1}{2}$ oz., 50c; pkt., 10c.

Column—Non-Branching

An excellent new class producing one stem 2½ ft. thickly set with large, double flowers. The first flowers appear when the plant is about 14 inches high.

- | | |
|---|----------------------------|
| 4950 Blue. Dark lilac blue. | |
| 4951 Chamois Pink. | 4956 Silvery Lilac. |
| 4961 Yellow Wonder. Best yellow. | |
| 4960 Rose Pink. | 4957 White. |
| 4955 Ruby. | 4958 Mixed. |
| 4953 Moonlight. Light yellow. | |

Price, each of the above, pkt., 25c.

4952 **Double Giant Column Gardenia.** Shimmering, glistening white, the flowers are the purest snow white of any stock variety yet introduced. Pkt., 50c.



4865 **STOCKS**, Dwarf Double Ten Weeks, Best Mixed. Pkt., 10c.

Schizanthus

Butterfly Flower or Poorman's Orchid □

Culture: A or B, D or E, Page 58

Beautiful bushy plants covered with dainty flowers handsomely marked with contrasting colors.

4754 **Pansy Flowered (Danbury Park strain).** Large blooms of Pansy shape, in rich pink, crimson, mauve, purple and white. Pkt., 35c.

4755 **Dr. Badger's Hybrids.** An extraordinary strain in many beautiful colors. Pkt., 25c.

4757 **Vaughan's Excelsior Hybrids.** A choice strain with very large flowers with handsome markings on white, buff, rose, blue and purple ground. Pkt., 25c.

4753 **Vaughan's Dwarf "Masterpiece."** This is the best strain in existence. The plants grow dwarf and compact, making them most suitable for pot culture. The flowers vary from light pink to dark violet. Pkt. (100 seeds), 50c.



5290 **Fragrant Varieties of Sweet Peas Mixed.** A mixture of the starred varieties noted in text. Oz., 65c; pkt., 25c.

Heat Resisting Summer Flowering Spencer

These varieties greatly prolong the flowering period where summers are warm. The stems are longer than the early flowering varieties and the flowers come earlier and last longer.

- | | |
|----------------------------------|----------------------|
| 5275 Blackseeded White Improved. | |
| 5278 Blue. | 5282 Light Blue. |
| 5276 Clear Pink. | 5280 Light Lavender. |
| 5279 Lavender. | 5281 Mauve. |
| 5277 Rose Pink. | |
- Each of above, pkt., 20c; 3 pkts., for 50c.
- 5285 **Mixed Heat Resisting New Early Flowering.** ½ oz., 60c; oz., \$1.00; pkt., 20c.



5285 **SWEET PEAS.** Heat Resisting Summer, Flowering Spencer Mixed. Pkt., 20c.

Early Spencer Sweet Peas

Culture: D or E, Page 58

A RACE of Sweet Peas, having the large waved flowers of the Spencer type but flowering fully one month earlier, and for a much longer period. This class recommended for all sections where spring is late, as they give flowers before the summer heat arrives. ★Varieties preceded by star are fragrant.

Nitragin for inoculating Sweet Pea Seed, Garden Size Packet, 10c.

Collection No. 5600. One Packet Each, Sweet Peas, Early Flowering Spencer

American Beauty, Daphne, Laddie Improved, Mariner, Orange King, Sequoia, Triumph, Twilight and White Champion 75c
Zvolanek's Salmon for.....

Any of the packets below, 10c each; 3 packets for 25c.

- | | |
|---|---|
| 5343 American Beauty. Crimson-rose on white. | 5486 Mariner. Mauve. |
| 5345 ★ Amethyst. Royal purple. | 5500 Orange King. Glowing orange. |
| 5353 Bacchus. Rich red maroon. | 5501 Oriental. Deep cream, black seeded. |
| 5354 ★ Blue Bird. Violet-blue. | 5522 Redwood. Bright rich crimson. |
| 5352 Boon. Deep salmon-pink. | 5529 Sequoia. Rich golden salmon cerise. |
| 5347 Bridesmaid. Silvery pink. | 5539 Snow Queen. Pure white, black seeded. |
| 5348 Burpee's White. | 5548 Tahoe. Large wavy flower, chicory blue. |
| 5367 Daphne. Soft salmon-pink on cream ground. | 5552 Triumph. Lovely soft lilac mauve. |
| 5365 Danube. Mid blue. | 5554 Twilight. Medium clear lavender, large flowered and long stemmed. |
| 5408 Fiesta. Almost deep enough to be an orange scarlet, definitely sun-proof. | 5553 Treasure Island. A sparkling golden orange. |
| 5411 ★ Fragrance. Large frilled lavender. | 5555 Valencia. Bright orange, sun proof. |
| 5415 ★ Gardenia. Fragrant white. | 5560 White Champion. Long stemmed, pure white flowers. |
| 5416 ★ Giant Rose. Extremely large rose-pink. | 5561 ★ White Harmony. |
| 5430 Granadier. Dazzling scarlet. | 5564 Zvolanek's Salmon. |
| 5438 ★ Harmony. Lavender. | |
| 5470 ★ Laddie Improved. Light rose-pink. | |
| 5495 ★ Mrs. Herbert Hoover. Clear deep blue. | |

For PERENNIAL SWEET PEAS—See Lathyrus Latifolius on Perennial Pages.

5595 **Vaughan's Special Mixture, Early Flowering Spencers.** All the varieties listed and many others. 4 oz., \$1.50; 2 oz., 90c; oz., 50c; pkt., 15c.

5320 **Vaughan's Special Mixture, Late Spencer.** Named late flowering Spencer, varieties growing wonderful blossoms for a long period. ¼ lb., 60c; oz., 25c; pkt., 15c.

Annual Sunflowers

HELIANTHUS Large Flowered □

Culture: A or B, D or E, Page 58

- 2700 **Gaillardia-flowered or Red Sunflower.** 4 to 8 ft. Some flowers of a rich chestnut-red, others tipped with yellow, still others slightly washed with red. Pkt., 10c.
- 2709 **Chrysanthemum Flowered Double.** 3 to 4 ft. Select double golden yellow flowers. Pkt., 10c.
- 2703 **Maroon Prince.** Single best red. Pkt., 15c.
- 2713 **Sun Gold.** See Novelty Pages for illustration and description. Pkt., 15c.
- 2725 **Russian Mammoth.** 8 ft. Single, of gigantic dimensions. The Kansas Sunflower. Some of our friends grow these for support for their pole beans. Lb., 40c; ½ lb., 30c; ¼ lb., 20c; 1 oz., 10c.

Miniature-Flowered

- 2750 **Cucumerfolius Stella.** Purest golden yellow flowers, the petals of which are slightly twisted. Pkt., 10c.
- 2755 —**Vaughan's Special Mixture.** Includes many Cucumerfolius sorts not listed. Pkt., 10c.

2760 **Vaughan's Special Mixture.** Of all the single and double Sunflowers we list and several varieties we buy especially for this mixture. ½ oz., 25c; pkt., 10c.

Texas Queen Anne's Lace □

Culture: A or B, Page 58

- 5638 Large heads of tiny white flowers of lace-like appearance. Resembles Queen Anne's Lace of our roadsides, but more refined. Grows 3 to 5 ft. tall. Pkt., 10c.



Scarlet Runner Emperor □

Culture: A, D or E, Page 58

4766 Double Purpose Runner Beans

Scarlet Runner beans serve a double purpose—they provide both flowers and food. Some persons do not realize that these beans are good to eat, yet in England they are grown by the acre by market gardeners for their city trade. A good way to increase the yield is to wait until the runners are about a foot from the top of the poles and then pinch out the top. This will make them throw out additional trusses of bloom and, of course, increase the number of beans. Pkt. 10c.



VIOLA CORNUTA. 5805 Yellow Gem. Pkt., 20c. 5790 Blue Perfection. Pkt., 15c. 5806 White Perfection. Pkt., 15c. 5804 Chantreyland. Pkt., 25c. 5814 Collection 1 pkt. each of 4 above Violas, 60c.

Free Flowering Violas □

Culture: A or B, Page 58

BECAUSE of their free flowering habit and long season of bloom, Violas are becoming rapidly more popular for use in the foreground of the border, in small beds, and in rockeries, where their dwarf spreading habit is welcomed. They continue flowering all summer.

- 5813 VIOLA** *Vaughan's Special Mixture.* A charming and delightful mixture of these bright and everblooming Violas in a complete color range, shading from pale lavender to rich purple-black, yellow, white, terra-cotta, apricot and rose. Pkt..... 25c



Runnerless Strawberry ✓

- 4828 Baron Solemacher.** This wonderful novelty has the largest berries in this strain. It makes no runners; flowers in eight weeks and produces quantities of fruit. Wash the berries, sprinkle with sugar several hours before using. The berries will almost float in juice. This brings out the flavor. Pkt., 25c.

Thunbergia (Golden Glory Vine)

Culture: D or E, A or B, Page 58 □ 5 ft.
Germination 3-4 Weeks

- 5640 Alata, Mixed (Black-Eyed Susan).** A lovely plant with large showy flowers. Forming a dense mat of foliage and flowers. Colors range through yellow, orange, buff, to pure white, mostly with jet-black centers, or eyes. Seed germinates slowly. Pkt., 10c.

- 5639 Gibson.** Glistening green ivy foliage and flowers of glowing orange. Pkt. (15 seeds), 35c.

- 5655 TRITOMA Hybrida Mirabilis (Red Hot Poker Plant).** A perennial that blooms the first year. Pkt., 15c.

- 5648 —Miracle Mixed.** © Showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems. This mixture is made up from twelve to fifteen different colors from named varieties. Require protection during winter, unless sheltered. Pkt., 25c.

CORNUTA TYPE

- 5788A Blue Elf.** The upper petals are deep violet blue, lower petals light violet blue with gold eye and black lines radiating from center. Flowers ¾ in. in diameter, small dark green foliage. A perennial best treated as an annual. Seed sown in March will begin blooming in June and continue all summer. Pkt., 25c.

- 5790 Blue Perfection.** Light blue. Pkt., 15c.

- 5789A Blue Beauty.** Bright blue. Pkt., 15c.

- 5804 Chantreyland.** Apricot. Pkt., 25c.

- 5790A Chinese Blue.** A round-faced type. According to the Royal Horticultural Chart, is French Blue. It is the nearest substitute to the famous Viola Maggie Mott. Pkt., 25c.

- 5802A King Henry (Purple King).** A deep purple violet with lighter center and yellow eye. Pkt., 25c.

- 5796 Jersey Gem.** Flowers of rich pure violet, large, fragrant, flowering persistently all summer. Pkt., 25c.

- 5800 Papilio Blue and White.** Flowers soft lavender-purple, lower petals flushed white. Pkt., 15c.

- 5806 White Perfection.** Finest white. Pkt., 15c.

- 5795 Nosegay.** A blend of bright gay colors, red, yellow, blue and apricot, combined with many blotched combinations. Pkt., 25c.

- 5852 Super Large Flowering Scotch.** The Scotch have been great fanciers of Violas and this is a strain they have greatly improved. The flowers are large, all two toned without blotches and have a complete color range. This is a perennial which can be treated as an annual. Pkt., 25c.

Miscellaneous Violas

- 5797 Johnny-Jump-Up or Viola Tricolor.** Also known as "Ladies' Delight" and "None so Pretty". They are more hardy than their relative the Violas and if allowed to seed will carpet a Rose or Iris bed with a mass of flowers early in May. They bloom all season. Purple, blue and yellow are the three colors that give them their name and the combinations are variable. Pkt., 25c.

- 5791 Helen Mount.** See Novelties for description and illustration.

- 5811A Nigra or Black Imp.** Quaint little flowers that might have been snipped from black velvet, come true from seed. May be naturalized effectively. Blooms quickly first year from seed. Pkt., 25c.

- 5805 Yellow Gem.** Free flowering clear yellow of compact habit, reproduced nearly true from seed. Pkt., 20c.

CORNUTA HYBRIDA (Large Flowers)

- 5787 Arkwright Ruby.** Bright ruby crimson shaded terra-cotta; fragrant. Pkt., 25c.

- 5789 Blue Butterfly.** Vivid mid-blue shading to white in the upper petals. Pkt., 25c.

- 5798 Lutea Splendens.** 8 in. Bright yellow. 10c.

VERBESINA ENCELOIDES—See Butter Daisies.



5642 TITHONIA Avalon. Pkt., 25c.

Golden Flower of the Incas □

Culture: D or E, Page 58

- 5642 Tithonia Avalon Earliest.** 5 ft. Blossoms from orange topaz through tangerine. Sow where the plants are to stand, after the soil is warm. Blooms mid-July. Pkt., 25c.



5645 TORENIA Fournieri. Pkt., 15c.

Torenia (Wishbone Flower) □

Culture: D or E, A or B, Page 58

- 5645 Fournieri.** Bushy globular plants literally covered with the lovely, richly-colored Snapdragon-like flowers of a delightful sky-blue, with a touch of gold on the lip. Pkt., 15c.



5706 ROSEA STELLATA Pkt., 15c. 5718 LAVENDER GLORY Pkt., 15c. 5701A ETNA Pkt., 15c. 5717 SUTTON'S GIANT Pink, Pkt., 15c. 5697 VERBENA COLLECTION. One Pkt. each 4 above varieties for 50c.

Jahoka Daisy ☐ 20 in.
Culture: A or B, D or E, Page 58
5635 A beautiful lavender-blue Daisy with fern-like foliage. Carried on good long stems, the flowers are tinted with rose as they fade, center deep yellow. Under open ground culture the plants are in bloom by middle of June and flower until October. Excellent for cutting. To get an even and quick germination, keep seed in refrigerator two weeks. Pkt., 25c.

Vinca Rosea (Periwinkle) ☐
Culture: D or E, Page 58
 Free-flowering annual bedding plants of bushy growth with dark green glossy foliage and large single round flowers. It is immune from insect attacks and blooms over a long period. Height 1 foot.
Culture: Sow seed after last frost in open ground and thin to 1 foot apart or sow inside and transplant after all danger of frost is over.
5770 White. **5772 White with Eye.**
5771 Delicata. Soft pink. **5773 Pink.**
5774 Kermesina. Bright red, dark green leaves with red stems.
 Each of the above, pkt., 10c.
5769 Twinkles. Large flowers of an unusual soft bluish pink with a bright red eye. Pkt., 15c.
5775 Mixed. Pkt., 10c.

Viscaria ☐
Culture: D or E, Page 58
 Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting.
5776 Blue Bouquet. 1 ft. Large blue. Pkt., 10c.
5782 Blue Pearl. It is a pure lavender blue without an eye. Pkt., 10c.
5784 Dwarf Fiery Red. Large single bright red flowers. Pkt., 15c.
5778 Mixed. 1 ft. Pkt., 10c.
5779 Dwarf Mixed. 8 in. Pkt., 10c.

Wallflower \div 18 in.
Culture: D or E, Page 58
 Wallflowers excel in adaptability for pot culture and out-door bedding and their fragrance and oriental coloring, rich reds and yellows. In the Northern states they should be wintered in cold frames.
5820 Single Mixed. Pkt., 10c.
5825 —Annual Blood-Red. Pkt., 10c.
5835 —Annual Mixed. Pkt., 10c.
5832 Annual Double Mixed. A fine pot plant, will bloom first year from seed, if sown early. Pkt., 15c.

Wild Cucumber ☐ =
Culture: A or B, D or E, Page 58
5847 Quickest growing climber on our list. It is thickly dotted over with white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. Sown on banks it will act as soil binder. If sown along a wire fence the vines will soon cover it and the dainty white flowers will make it a lovely sight for a long time. 1 oz., 25c; 1/4 oz., 15c; pkt., 10c.

Verbenas ☐

Culture: D or E, A or B, Page 58
 These are colorful annuals for some sunny spot in the border. In bloom continuously. They make gay bouquets for table decorations. Do not sow the seed outdoors until the soil gets warm (May 15th to June 1st). May also be started earlier indoors to advantage. Grows only 6 to 12 inches tall but spreads to 2 feet across.

HYBRIDA Gigantea 1 ft.
 A magnificent strain of Verbenas, of robust habit, the individual florets measuring an inch in diameter.
5701 Gigantea Alba. Pure white. Very fragrant.
5700A —Brilliant. Rich deep flame rose with white eye.
5702 —Cerise Queen. Salmon cerise.
5722 —Crimson Glow. A pure glowing crimson.
5701A —Etna. Geranium-red, with a cream eye.
5718 —Lavender Glory. A true lavender with a medium-sized creamy white eye. The color runs about 80% true. It is also distinctly fragrant.
5703 —Lucifer. Vivid scarlet self.
5704 —Luminosa. Luminous flame-pink to salmon.
5706 —Rosea Stellata. Pink, white eye.
5719 —Royale. Royal blue, creamy yellow eye.
5710 —Spectrum Red. Intense bright red.
5717 —Sutton's Giant Pink. Salmon-pink, light eye.
5707 —Violacea Stellata. Deep violet, white eye.

Each of the above, pkt., 15c; any three 15c pkts. for 35c.
5708 Gigantea Mixed. A wonderful mixture of large flowering varieties. Pkt., 15c.
5711 Beauty of Oxford Hybrids. A beautiful giant strain. Color shades from clear rose-pink to rose-red, making this the brightest rose Verbena ever produced from seed. Florets easily cover a silver half dollar. Pkt., 15c.
5712 Floradale Beauty. Beauty of Oxford type of rose shades, salmon-rose predominating. Pkt., 15c.
5713 Royal Bouquet, Finest Mixed. Upright, large flowers, auricula eyed, brilliant mixed, especially good for pot culture. Pkt., 15c.



820 STAR OF TEXAS. Pkt., 25c.

5730 VERBENA Vaughan's Best Mixture. Includes all the Hybrida and Gigantea sorts and other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout the summer. 1/8 oz., 50c; large pkt., 25c; pkt. 15c

Various Verbenas
Culture: D, E or C, Page 58
5755 Erinoides. 12 in. Moss-like foliage spreads over the ground like a carpet, purplish-blue blossoms in lavish profusion. Blooms until frost. Pkt., 10c.
5751 Fern Leaved (Bipinnatifida). Plants grow 18 inches, spread over two square feet, with ferny, feathery gray-green foliage; covered by clusters of lavender-blue flowers, resembling sprays of lilac Candytuft. Pkt., 25c.
5765 Venosa. 1 ft. Largely used for bedding; covered with bright rosy heliotrope flowers. Sow in March in clear sand for quick germination. Blooms until frost, hardy with protection. An interesting combination when used with Marigold Harmony. Pkt., 10c.
5766 —Lilacina. 1 ft. Resembles Venosa, but with blossoms of lavender-blue. Hardy with protection. Pkt., 25c.
8566A Bonariensis. ① 4 ft. A grand perennial that blooms from seed the first year for the herbaceous border or for cutting. Sweet scented rosy lavender flowers on long stiff stems. Pkt., 15c.
5750 Lemon-Scented. An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens. Pkt., 25c.

Star of Texas
Culture: A or B, D or E, Page 58
4820 Star of Texas (Xanthisma Texanum) One of the prettiest annuals, easily grown. Flowers are light canary-yellow with a lighter colored center; single, daisy-like, with long, pointed petals. Stems are thin and strong, and although they are not very long, they are suitable for cutting. Quite hardy, does well in dry, open places. Plants are vigorous and very free blooming. They attain a bushy erect growth, quite branching, 18 in. high and as much across. Sow in the open in early spring. Pkt., 25c.

Xeranthemum (Everlasting)
☐ 2 ft.
Culture: D or E, Page 58
5852 Superbissima. One of the loveliest of the everlastings, with flowers which retain their brilliant colors remarkably well when dried, this double pompon flowered Xeranthemum may also be used as a cut flower when fresh. It makes delightful arrangements in small bowls. Pkt., 20c.

6175 ZEA Japonica Quadricolor Perfecta (Rainbow Corn). Striped and colored foliage; small ears, dark colors. Pkt., 10c.

Smaller Zinnias □

Culture: A or B, D or E, Page 58

THEY bloom in much greater profusion than the larger types, standing well out above the foliage and registering as a color mass in the picture. They are also excellent for pot plants and cut flowers.

Midget Zinnias

- 6126 Vaughan's Mixture of Midget Zinnias.** Includes more than fifteen varieties, all delightful, charming in the garden and of just the size to make attractive table arrangements. Many of your friends will never recognize them as Zinnias. Easy to grow and always covered with bloom. $\frac{1}{4}$ oz., 35c; $\frac{1}{4}$ oz., 60c; pkt., 15c.
- 6125 Mexicana Fl. Pl. Hybrids.** 16 in. Double flowers in various shades of brown and orange. 10c.
- 6115 Mexicana or Miniature.** Flowers small and showy, Daisy-like in form, range in color from yellow to mahogany red, free flowering. Excellent for decorative bowl arrangements. Pkt., 10c.



6126 ZINNIA, Vaughan's Midget Mixed, 15c.

- 6127 Linearis.** 10 in. The flowers, with a single row of petals, are one and one-fourth inches in diameter. Early flowering. Pkt., 15c.

Cupid Type. The smallest of all. 1 ft.

Compact plants of bushy habit. Each upright stem bears a flower 1 in. in diameter. Ideal for cutting and for use in miniature vases.

- 6025 Cupid Mixed.** $\frac{1}{4}$ oz., 35c; pkt., 10c.
- 6172 Navajo Mixed.** 18 in. Flowers abundant, of medium size, scarlet, orange and other hues suggesting Navajo Indian decorations. Pkt., 15c.



6159 ZINNIA, Scabiosa Flowered Mixed. Pkt., 15c.

6173 Vaughan's Novelty Mixture.

All the new types of Zinnias, such as Fantasy, Navajo, Striped and others, which are rich in color combinations and unusual forms of high decorative value, which make them valuable for cut flowers. All have small or medium flowers and are suitable for low bowl arrangements. They also give excellent border effect in the garden. Pkt., 25c; 3 pkts., 65c.



6075 ZINNIA Lilliput, Vaughan's Special Mixed. Pkt., 15c.

Lilliput Zinnias

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers. They bloom all summer. 12 to 15 in.

- 6071 Black Ruby.** Rich deep maroon.
- 6052 Bright Pink.** **6064 Purple.**
- 6073 Canary Yellow.** **6065 Salmon Rose Gem.**
- 6061 Crimson Gem.** **6066 Scarlet Gem.**
- 6053 Dainty Gem.** See Novelties for description, and illustration. Pkt., 25c.
- 6062 Golden Orange.** **6067 White Gem.**
- 6068 Rose Bud.** Rose-pink.
- 6069 Valencia.** A real deep burnt orange.
- Each of above, except Dainty Gem, pkt., 10c; any 3 pkts., 25c
- 6075 Lilliput Vaughan's Special Mixed.** All above and others. Oz., \$1.50; $\frac{1}{4}$ oz., 50c; pkt., 15c.
- 6070 Lilliput Pastel Mixture.** 15 in. A carefully chosen mixture of pastel tints of yellow, pink, rose and orchid. They flower in 45 days. Pkt., 15c.



6110 ZINNIA Red Riding Hood. Pkt., 10c.

A Favorite Border Plant

- 6110 Red Riding Hood.** 1 ft. Of compact form, covered the entire season with double scarlet flowers not over an inch across; as a border plant it is highly effective. Oz., \$1.50; $\frac{1}{4}$ oz., 50c; $\frac{1}{4}$ oz., 30c; pkt., 10c.



5908 ZINNIA Fantasy Mixed. Pkt., 15c.

Pumila Double 18 in.

On bushy plants 18 inches tall, fully double flowers are borne in abundance. The flowers average two inches across, and are held above the foliage on stout stems. They make fine border plants, registering color well. They are also fine cut flowers.

- 6080 Snow Ball.** **6095 Fire Ball.**
- 6097 Pinkie.** Rose-pink. **6085 Golden Ball.**
- 6098 Spun Gold.** A delicate butter-yellow or deep primrose, fine form.
- 6100 Watermelon Pink.** A very pleasing and charming shade of salmon-rose.
- Each of the above, pkt., 10c; 3 pkts. for 25c.
- 6101 Collection Pumila Zinnias.** 1 pkt. each 6 varieties noted above for 50c.
- 6105 Pumila Vaughan's Special Mixed.** Oz., \$1.25; $\frac{1}{4}$ oz., 35c; pkt., 15c.

Scabiosa Flowered

- 6159 Mixed.** $2\frac{1}{2}$ ft. on a single corona of outside petals stands a crown of small florets similar in form to the flowers of the Scabiosa. $\frac{1}{4}$ oz., 60c; pkt., 15c; 3 pkts., 40c.

Fantasy Type

$2\frac{1}{2}$ ft. shaggy, ray-like petals, like Cactus Dahlia.

- 5912 Orange Lady.** Bright deep orange.
- 5911 Rosalie.** Intense rose.
- 5909 Star Dust.** Deep golden yellow.
- 5913 White Light.** Pure white.
- 5914 Wildfire.** Rich dazzling scarlet.
- Each of the above, pkt., 15c; 2 pkts. for 25c.
- 5908 Mixed.** A bright colorful mixture of shaggy petaled double flowers. $\frac{1}{4}$ oz., 60c; pkt., 15c.



ZINNIAS California Giants—(left) 6163 Miss Wilmott. Pkt., 15c. (center) 6164A Lemon Queen. Pkt., 15c. (right) 6166 Rose Queen. Pkt., 15c.



5893 Zinnia Vaughan's Special Mixture of all Types. This is intended for the cutting garden, and includes all colors and types of Zinnias, large and small flowered, as well as Gaillardia flowered, Fantasy and other novelty strains. Most interesting combinations of form and color can be made in bowls and vases with flowers cut from a row of this mixture. Pkt., 25c.

Giants of New Race

5891 Zinnia David Burpee. 4 ft. This is a distinct strain of giant flowers, which is full of surprises, all of a pleasant nature. While giant flowers of the shaggy Fantasy type are most numerous, other forms are frequent; and colors include cream, chamois, buff, rose, burnt-orange, terra cotta, apricot and some two-toned. All are interesting, some exciting; a "surprise garden mixture" all by itself. Plants grow vigorously and flowers have long, wiry stems. Pkt., 15c.

6170 Vaughan's Special Mixture of all Giant Sorts including the cream of the Dahlia Flowered and California Giants mixed. Producing a mass of color.....Oz., \$2.00; ¼ oz., 60c; pkt., 25c

5901 Super Crown of Gold Pastel Tints. Strictly a mixture of pastel tints and contains a wide color range including soft yellow, old gold, light pink, apricot pink, various salmon shades, peach, and buff, lively cerise salmon as well as pure white and cream. All the flowers carry the deep golden yellow base of the Crown of Gold types and the individual color at the tip. Midway between Dahlia Flowered and California Giants as to type. Pkt., 25c

California Giants

They are larger than Colossal and a cross between them and the Dahlia Flowered types. They have smaller flat centers with more loosely placed petals. The petals are decidedly imbricated and the flower graceful. Grow 3 to 4 ft. tall.

- | | |
|--|--|
| 6161 Brightness. A bright, deep rose. | 6147 Lavender Gem. A good clear lavender. |
| 6164 Cherry Queen. Beautiful orange rose. | 6164A Lemon Queen. Lemon orange. |
| 6162A Crimson Queen. Best crimson. | 6163 Miss Wilmott. Soft pink. |
| 6161A Daffodil. Canary yellow. | 6151 Orange King. Rich, deep orange. |
| 6162 Enchantress. Giant flowers of light rose pink, early. | 6167 Pink Profusion. Delicate shrimp pink. |
| 6146 Grenadier. A very dark red. | 6153 Purity. A clean pure white. |
| 6169 Golden Queen. Golden yellow. | 6166 Rose Queen. Warm, deep rose. |
| 6168 Isabellina. Cream yellow. | 6154 Salmon Queen. Salmon rose. |
| | 6165 Scarlet Queen. Glowing scarlet. |
| | 6149 Violet Queen. Deep purple. |

Each of the above, pkt., 15c; any 4 pkts. for 50c.

6156 California Giants Vaughan's Special Mixed. Made from a carefully prepared formula with due regard to color harmony and will make a gorgeous showing in beds or borders. Oz., \$1.50; ¼ oz., 50c; pkt., 15c.

6157 Indian Summer Mixture. Bright and warm colors only of the Dahlia Flowered and California Giants. Pkt., 15c.



5891 ZINNIA David Burpee, Pkt., 15c.



6134 ZINNIA Dream, Pkt., 15c.



6131 ZINNIA Canary Bird, Pkt., 15c.

Dahlia Type Zinnias

171 6 PACKETS, CATALOG VALUE 90c.

One each of Crimson Monarch, Polar Bear, Illumination, Oriole, Royal Purple and Eldorado prepaid.

50c

Zinnias are heat loving plants, and seed should not be sown until the ground and atmospheric conditions are warm. If grown in a sunny spot in well fertilized soil and watered freely, the flowers will be more completely double.

Giant Dahlia Flowered Zinnias 2 to 3 ft. Culture: A or B, D or E, Page 58
The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other, the flowers often 4 inches in depth and 6 inches in diameter, resembling Show Dahlias.

6131 **Canary Bird.** A delicate shade of primrose.

6133 **Crimson Monarch.** Rich crimson, largest and best of red shades.

6131A **Crown of Gold Desert Gold.** Deep golden-yellow at the base of each petal, with light or deeper gold at the tip.

6134 **Dream.** A fine, deep lavender, turning to purple (Mallow Purple).

6134A **Eldorado.** Salmon apricot.

6135 **Exquisite.** Color light rose with center a deep rose.

6137 **Golden Dawn.** Beautiful shade of golden-yellow with red center.

6136 **Golden State.** A very rich orange-yellow. Yellow in the bud, turning to an attractive orange when in full bloom.

6130 **Illumination.** A striking self-color of deep rose.

6130A **Luminosa.** Bright deep pink.

6142 **Meteor.** A rich glowing deep red, darkest of all red shades.

6138 **Oriole.** An immense orange and gold bicolor.

6139 **Polar Bear.** A very large pure white, the best white.

6143 **Royal Purple.** A deep rich reddish purple.

6141 **Scarlet Flame.** Bright scarlet.

6143A **Will Rogers.** Most beautiful scarlet red.

Each of above Any four pkts., 50c; pkt., 15c

6145 **Giant Dahlia Flowered, Gold Medal Mixed.** All the above and others, including a bewildering variety of delightful colors, all giant flowers. A very charming and delightful surprise will result if you plant this. Oz., \$1.50; ¼ oz., 50c; pkt. 15c



6134A ZINNIA Giant Dahlia Flowered Eldorado. Pkt., 15c.

Regarded by experts as the model of Zinnia perfection in form, uniform color and trueness to type.



6133 ZINNIA Crimson Monarch, Pkt., 15c.

Perennial Flower Seeds and Plants

NOTE—All plants are F. O. B. Cleveland, Ohio. Postage must be added to cover cost of transportation at rates noted on page 106, or they will be sent express at buyer's expense.



7073 X **ANCHUSA** *Myosotidiflora*. Pkt., 35c.

Anchusa (African Forget-Me-Not) ① □

Culture: B, D or E, Page 58

Anchusas provide some of the few really blue flowers of our garden. They do best in a deep, well drained soil in a sunny position. All are excellent bee plants.

7070 **Italica, Dropmore Variety.** 5 ft. June-July. Gentian flowers. Pkt., 15c.

7069 — **Lissadell.** 6 ft. Large, Gentian-blue. 25c.

7071 — **Feltham Pride.** Bright blue. Pkt., 25c

7068 — **Morning Glory.** 5 ft. Buds appear a rosy mauve but turn to clear blue as they open. Pkt., 25c.

7073 X **Myosotidiflora.** 1 ft. April-May A lovely perennial which blossoms with the late Tulips, forming a mound of attractive foliage almost hidden by pale blue Forget-Me-Not blossoms held above the foliage on straight stems. Germination is slow and fall sowing in an open seed bed gets good results. Pkt., 35c. Plants, each, 60c; 3 for \$1.50; Doz., \$4.75.

Achillea (Yarrow) ①

Culture: D or E, Page 58

Achilleas grow readily from seed in sunny, well-drained positions. They are fine border flowers and are excellent for cutting.

7008 **Eupatorium Filipendula, Parker's Variety.**

3 to 5 ft. June-Sept. Clear yellow flower-heads. May be dried for winter bouquets. Pkt., 15c.

7010 **The Pearl.** 2 ft. June to August. Pure white, double flowers, fine for cutting. Pkt., 15c.



7010 **ACHILLEA** *The Pearl*. Pkt., 15c.



ASTER *Harrington's Pink*. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

New Hardy Asters ①

Culture: B, D or E, Page 58

If you have ever seen the glorious effects of a mass planting of these hardy perennial Asters, you will not fail to make a planting of them in your garden. They are among the showiest of our late flowering hardy plants, giving a wealth of bloom in late summer and fall. For best effect they should be planted in groups. **Beechwood Challenger. (New).** 2½ ft. Darkest red of all. Each, 60c; 3 for \$1.50; doz., \$4.75.

Gayborder Blue. Bright sky blue. Vigorous and prolific. Each, 60c; 3 for \$1.50; doz., \$4.75.

Harrington's Pink. First true pink hardy Aster. Large flowers of luminous true pink, on bushy plant. Each, 60c; 3 for \$1.50; doz., \$4.75.

Palmyra. Semi-double pink, literally a mountain of bloom. Each, 60c; 3 for \$1.50; doz., \$4.75.

Red Cloud. Distinctive type, fully flowered, deep maroon red. Each, 60c; 3 for \$1.50; doz., \$4.75.

Strawberries and Cream. When the flowers first open they appear as a deeper pink and these with the softer pink open flowers make a lovely combination of color. Height 4 feet, blooms the end of September. Each, 60c; 3 for \$1.50; doz., \$4.75.

ASTER COLLECTION. One of each of the above six varieties, \$3.60 value for \$3.10.

DWARF ALPINES

7226 **Alpinus Goliath.** Indispensable for the rockery or edge of hardy borders; 6 to 10 inches high, and bears large, showy, bluish purple flowers in May and June. Plant in full sun. Pkt., 25c.

7224 **Amellus Hybridus.** New named varieties, finest mixed. Pkt., 25c.

7225 **Perennial, Large-Flowering Mixed.** 3-5 ft. Sept.-Oct. Various shades of blue. Pkt., 25c

It is fascinating to grow your own perennials from seed. We recommend sowing perennial seeds in spring. Seed germinates better in the cool weather than in the heat of mid-summer, and the long growing season produces larger plants that winter over more successfully. The majority of these perennials bloom the second year from seed, although some, like *Coreopsis* and *Gaillardia*, if sown early, bloom the first year. Plants can be raised in beds and transplanted, or the seed may be planted directly in your perennial garden. The great charm of perennials lies in their permanence; once established they are a constant source of pleasure. Items preceded by X are rock garden subjects.

Plants by Parcel Post

If to be sent by parcel post, add postage for most zones as follows: Single plants, 12c; 3 plants, 16c; 6 plants, 20c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

No C. O. D. Shipments

Plants by Express

We recommend this mode of transit where quantities are 12 plants or over. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.



7195 **ARABIS** *Alpina Rock Cress*. Pkt., 10c

Arabis (Rock Cress) ①

Culture: D or E, Page 58

Spreading dwarf, spring-flowering plants. They do well in any soil, but need plenty of sun.

7195 X **Alpina.** 1 ft. April. Pure white. Pkt., 10c.

Culture: B, D or E, Page 58

7061 **AMSONIA** *Tabernaemontana* (Blue Star of Texas). ① 2-3 ft. Free flowering perennial, long stems, with willow-like foliage and lovely heads of light blue flowers in panicles. Especially good for cutting and hardy border. Pkt., 25c.

Aconitum (Monkshood) ①

Culture: C, Page 58

Aconitums need rich, acid soil and prefer shade. Seed may be sown in the fall, as it germinates slowly. They should not be moved when once established, and require a mulch in winter. The roots are poisonous.

7026 **Barker's Variety.** Flowers are amethyst blue, considerably darker than *Wilsoni*. Pkt., 25c.

7025 **Wilsoni.** 6-7 ft. Sept.-Oct. Tall, autumn flowering, mauve, fine for cutting. Pkt., 15c.

Anemone (Windflower) ①

Culture: B, C, D or E, Page 58

This interesting family furnishes a remarkable variety of showy garden subjects. Seeds germinate slowly. Flower in the spring.

7080 X **Coronaria St. Brigid's Strain.** May-June. Double and single-mixed, 12 in. A beautiful selection in a wonderful array of colors. Pkt., 20c.

7079 — **Syphide Blue.** Light purple. Pkt., 15c.

7090 X **Pulsatilla** (Pasque Flower). 1 ft. Is one of the loveliest harbingers of spring in the Midwest. In April its deep blue, bell-shaped flowers are produced, and the tasseled seed-pods which follow are decorative in themselves. The seeds self-sow, producing drifts of blue in succeeding years. Easy to transplant, early in spring right after blooming or late in fall. Good drainage is necessary, avoid over rich soil, add crushed oyster shells to provide lime and sharp sand. Pkt., 25c.

Anthemis (Marguerite) ①

Culture: B, D or E, Page 58

Free-flowering perennials with attractive cut foliage and large daisy-like flowers. Need full sun

7110 **Kelwayi.** 2 ft. Daisy-like lemon-yellow blossoms, all summer. Excellent for cutting. Pkt., 10c.

7114 **Tinctoria, Perry's Variety.** 2 ft. Large lemon-yellow daisies, in bloom all summer. Pkt., 25c.

Moonlight. Fine pale yellow *Anthemis*, excellent for cutting. Plants keep within bounds. Plants, each, 55c; 3 for \$1.35; doz., \$4.50.

Agrostemma ①

Culture: E, D, or C, Page 67

7048 X Coronaria Atro-Sanguinea. 1 to 2 ft. June-Sept. Attractive free flowering producing deep blood red flowers on long, slender stems like a single pink; blooms the first season; fine for cutting. Silvery foliage. Pkt., 10c.

Alyssum (Madwort) ①

Culture: B, D or E, Page 58

Showy free flowering spring-blooming plants, valuable for front row in border or rock garden.

7054 X Argenteum. 1 ft. Dwarf, yellow flowers, leaves silvery underneath. Pkt., 10c.

7055 X Saxatile Compactum (Basket of Gold). 9 in. Almost as soon as winter is over Alyssum Saxatile Compactum becomes a mass of yellow gold; a fine companion to spring bulb flowers. Pkt., 15c. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

7056 X Compactum Sulphureum. Lovely pale lemon colored flowers. Very effective with lavender or pink Tulips. Pkt., 15c.

Aquilegia.—See Columbine.

Armeria (Thrift, Sea Pink) ①

Culture: B, D or E, Page 58

Dwarf-growing perennials with grassy leaves and a tufted habit of growth. The flowers are borne in globular heads during May and July.

7205 X Alpina. 3 in. July. Deep rose. Pkt., 10c.

7217 X Bee's Ruby. A giant flowered type with deep glowing ruby blooms on stout 12-inch stems. Pkt., 25c.

7211 X Formosa Large Flowering Hybrida. 24 in. Shades of pink. Blooms early summer. Pkt., 15c.

7206 Glory of Holland Giant Pink. Improved variety bearing clear, deep pink flowers the size of a silver dollar on straight stems of 24-inch height. In large profusion all summer. Fine for cutting. Pkt., 25c.

Artemisia

Silver King. 3 ft. Its striking gray stems and leaves and rapid branching habit stamp it as unique among foliage plants. The flowers are insignificant, but it makes up for this lack by its slender ghost-like appearance. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

Silver Queen. Vigorous silver foliaged bouquet filler. Each, 60c; 3 for \$1.50; doz., \$4.75.

Aubrietia ①

Culture: B, D or E, Page 58

One of the daintiest and most delicately beautiful of all dwarf creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. A gem for planting in crevices of rocks or wall, forming a cataract of color. 6 in.

7231A Deltoidea. Lilac. 6 in. Pkt., 25c.

7232 X Graeca. Light blue, dwarf. Pkt., 25c.

7230 X Large-Flowered Hybrids, Mixed. A wonderfully fine strain, good range of colors. Pkt., 25c.

7232A New Giant Flowered. Monarch Strain. All full petaled types equal to the best named varieties. Vastly superior in size and color range to any other strain raised from seed. Pkt., 35c.

Baby's Breath.—See Gypsophila Paniculata.

Baptisia ①

Culture: B, C, D or E, Page 58

7235 Australis (False Indigo). Forms a spreading bush 3 to 4 ft. high with dark bluish green leaves and Lupin-like blue flowers in June and July. Pkt., 10c.

Blackberry Lily ①

Culture: B, D or E, Page 58

7243 3 to 4 ft. A perennial of easy culture in rich sandy loam in a sunny spot. Flowers orange spotted red. Seed stalks may be used in winter bouquets, are clusters of shining black seeds. Pkt., 10c.

7241 Avalon Hybrids. This new strain of Blackberry Lily, is the result of careful hybridization and most interesting and unexpected combinations of form and color characters may appear. The flowers are followed by the showy "blackberry" fruiting clusters. Thriving in full sun or tolerating some shade. Pkt., 25c.

Bocconia ①

7240 Cordata (Piume Poppy). 5 ft. A handsome border plant, having large lobed heart-shaped leaves with silvery under surface and flower plumes of a pretty cream color. Pkt., 10c.



7401 CARNATION Grenadin Mixed. 25c. Plants, Each, 50c; 3 for \$1.25; Doz., \$4.25.

Garden Carnations ①

Culture: B, D or E, Page 58

GRENADIN

A valuable bedding variety with double flowers, blooming first year from seed if sown early. 20 in.

Soon after they are through blooming the tops should be cut. The Grenadin type will branch and will carry on through another year. If this operation is not done, in most cases the Grenadin type is only a biennial.

7390 King of the Blacks. Darkest red, very fine. Pkt., 25c.

7398 Golden Sun. Early flowering, very double, large clear yellow flowers. Pkt., 35c.

7395 Scarlet. 25c. **7400 White.** 25c.

7385 Triumph, Rose. 25c.

7399 White Gold. Soft yellow new. Pkt., 25c.

7401 Mixed. Pkt., 25c. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

Crimson King. 2 ft. Closely resembling a greenhouse Carnation in size and habit of growth. Large, fragrant, bright crimson blooms of velvety appearance borne in profusion in June and continuing until heavy frost. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.



CARNATION Crimson King. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

VIENNA DWARF

They grow evenly about 14 inches tall, are extra double and very large-flowering. The color display is magnificent. Flowering period is at least 14 days earlier than any other Carnations of that class.

7415 X Mixed. Pkt., 25c.

7256 X CALLIRHOE Involucrata ① (Poppy Mallow). Crimson. Pkt., 15c.

Campanulas

Culture: B, D or E, Page 58

This brilliant family includes the biennials, as well as a number of true perennials, varying in height from dainty rock garden subjects 8 inches tall to the stately Pyramidalis and Persicifolia types which reach 6 feet. While large growing types demand rich soil, there are no flowers more thrifty or adaptable than the small and medium sized Campanulas.

Canterbury Bells *

The Canterbury Bells are biennials, that is, from seed sown one year, the plants will bloom the following year, and the plant then dies. To keep up a yearly display they should be sown annually

DOUBLE SINGLE

7320 Blue.	7300 Blue.
7325 Pink.	7301 Lilac.
7315 White.	7305 Pink.
7330 Mixed.	7295 White.
	7310 Mixed.

Each of the above, pkt., 10c.

Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

CUP AND SAUCER

7270 Calycanthema Mixed.	2 ft. June-Aug.
7285 —Blue.	7280 —Pink.
7284 —Lilac.	7275 —White.

Each of the above, pkt., 10c.



7310 CAMPANULA (Canterbury Bells) Single Mixed. Pkt., 10c.

Perennial Campanulas ①

Seed sown one year, plants will bloom the next and for several years following increasing in size each year.

7260 X Carpatica (Harebell) Blue. 9 in. June to Aug. Forms tufts of neat foliage above which are borne cup-shaped, upright blooms of a glistening light violet-blue. Likes partial shade. Pkt., 10c.

7265 X —Alba. 9 in. July Pure white. Pkt., 10c.

7331 X Garganica. Beautiful star-shaped sky-blue flowers fairly cover the trailing plants. Pkt., 15c.

7335 Lactiflora Coerulea. Broad-leaved, 2½-3 ft. July. Light blue. Pkt., 15c.

7344 Persicifolia (Peach Bells). Blue. 2-3 ft. June-July. Fine border plant. Pkt., 25c.

7345 —Alba. White. Pkt., 25c.

7350 —Mixed. Blue and white. Pkt., 25c.

7367 Rapunculoides. Spikes of loosely swung bell-blossoms. Variable coloring from soft blue to deep violet. A row of it becomes a hedge of bloom. Pkt., 20c.

7355 Pyramidalis (Chimney Bellflower). Blue. 5-6 ft. August-Sept. Pkt., 10c.

7360 —Alba. White. Pkt., 15c.

7365 —Mixed. Pkt., 10c.

7366 X Rotundifolia (Blue Bells of Scotland). 6-12 in. Matted foliage, slender, branching stems, covered with dainty frail blue flowers. Blooms generously in July and again in fall. Pkt., 15c.

7370 Vaughan's Special Mixture of Campanulas. A grand assortment of all varieties. Fine for cut flowers. Pkt., 25c.



7150 **AQUILEGIA** Mrs. Scott Elliott's Strain Long-Spurred Hybrids. Pkt., 25c. Plants, each, 50c.; 3 for \$1.25; doz., \$4.25.

Columbines ①

Culture: B, C, D or E, Page 58

ONE of the best-known and best-loved perennials. Dwarf varieties for the rock garden, tall varieties for the border and for cutting. They are easily grown from seed, prefer light shade, and thrive in any fairly rich soil. These plants covered with dancing, quivering blossoms, add grace and airiness to any garden.

7151 **Dobbie's Imperial Hybrids.** A strain with large, long-spurred flowers in strong, brilliant tones of all colors. Pkt., 25c.

7152 **Mrs. Scott Elliott's Strain of Long-Spurred Hybrids.** The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. Pkt., 25c. Plants, ea., 50c; 3 for \$1.25; doz., \$4.25.

7119 **Alpina.** Powder blue. 2 ft. April-July. Pkt., 15c.

7120 **Canadensis (American Columbine).** 1 to 2 ft. May-July. Scarlet and orange. Pkt., 10c.

7125 **Chrysantha.** 3 to 4 ft. May-August. Yellow, long spurred. Pkt., 15c.

7126 **Silver Queen.** 3 ft. Long-spurred silvery white flowers. Pkt., 25c.

7131 **Clematiflora. Mixed.** Spurless Columbine with beautiful open flowers like Clematis. Contains all lovely pastel shades. Pkt., 25c.



7495 **COREOPSIS** Lanceolata Grandiflora. Seeds. Pkt., 10c.

COLUMBINES—Continued

7140 **Coerulea (Rocky Mountain Columbine).**

1 to 2 ft. April-July. One of the most beautiful of native flowers. Sepals, deep blue; petals, white. Pkt., 10c.

7141 **Mrs. Nicholls.** This is a glorified Rocky Mountain Columbine with larger flowers, long spurs, and strong habit. Pkt., 50c.

7145 **Rosea (Rose Queen).** 2½ ft. Light to dark rose, white center. Pkt., 25c.

7142 **Colorado Rainbow Hybrids.** Including blue, yellow, white, lavender, orchid, purple, three shades of red, all pink, pink and white, red and white and red and yellow. Pkt., 25c.

7148 **Flabellata Nana Alba.** A charming dwarf variety for the rock garden, perfect foliage and ivory-white flowers, 8 to 10 inches. Pkt., 25c.

7143 **Longissima.** A beautiful American species having 4 inch spurs on flowers of a delicate pale yellow. One of the most attractive. Pkt., 50c.

7144 **Longissima Hybrids.** A new race obtained by crossing Mrs. Scott Elliott's with Longissima. All the beautiful hues, in red, blue, white, rose, etc., of the former, long spurs and broader petals. They are hardier and more lasting. Pkt., 50c.

7158 **Long-Spurred Blue.** Splendid selection from light to dark blue. Pkt., 35c.

7157 **Long-Spurred Copper Queen.** Lovely deep copper with long spurs of deeper hue, while the inside of the corolla is buff. Variable in shade. Pkt., 50c.

7159 **Long-Spurred Orange and Scarlet.** Many unusual tones. Pkt., 35c.

7190 **Aquilegia Vaughan's Special Mixture.** Includes a complete collection including the long-spurred, and the non-spurred types, the tall and dwarf sorts. Pkt., 25c.



7156 **COLUMBINE** Long-Spurred Crimson Star. Pkt., 25c. Plants, each, 60c.; 3 for \$1.50; doz., \$4.75.

7156 **Long-Spurred Crimson Star.** The brightest red Columbine, long spurs and outer petals rich crimson, center petals white. Three-inch flowers on 2-foot stems. Pkt., 25c. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

Coreopsis ①

Culture: B, D or E, Page 58

A useful and attractive perennial, both for border and cut flowers. They are of easy culture, and flower in profusion throughout the summer.

7495 **Lanceolata Grandiflora.** 2 ft. June-October. Large orange-yellow flowers on long graceful stems. Will flower the first year if sown early. Pkt., 10c.

7494 **Mayfield Giants.** It produces a taller and more vigorous plant with longer and firmer stems and larger individual blooms of which the ray petals are broader. Pkt., 20c.

7493 **Double Sunburst.** The flowers are double, 1½ to 2 inches across, excellent for cutting, as the flowers are fine keepers and the plants easy to grow. Comes about 80% double. Pkt., 25c. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

Cheiranthus ①

Culture: B, D or E, Page 58

A hardy perennial which blossoms the first year from seed. Sow in late summer, autumn or spring.

1611 **Linifolius.** Lilac, 18 in. Pkt., 10c.



7464 **GIANT DOUBLE SHASTA Daisy.** G. Marconi. Pkt., 50c. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

Shasta Daisies ①

Culture: B, D or E, Page 58

The name Shasta is now applied not to a single variety but to a class of hardy Daisies, bearing giant flowers, all splendid border subjects and easily grown from seed.

7500 **Alaska.** 2-2½ feet. Splendid for cutting. Pkt., 10c. Plants, ea., 50c.; 3 for \$1.25; doz., \$4.25.

7464 **Diener's New Giant Double Ever-Flowering Shasta Daisy G. Marconi.** The largest Shasta Daisy today, the flowers are around 7 inches in diameter and stems 2½ to 3 ft. long. Pkt., 50c. Plants, each, 60c.; 3 for \$1.50; doz., \$4.75.

7504 **Giant Double Shasta Daisy.** While first year flowers of this perennial have many singles, in the second year they are almost 100% double, with flowers up to 6 inches, and a long flowering season. Pkt., 35c. Plants, ea., 50c.; 3 for \$1.25; doz., \$4.25.

7462 **Maximum Conqueror.** June. 2½ ft. Large, pure white flowers, five inches in diameter, on long stiff stems, in profusion. Pkt., 15c.

7460 **King Edward VII.** 2½ feet. Very large flowers on stout stems. Pkt., 10c.

Boltonia (False Chamomile) ①

Culture: B, D or E, Page 58

They are among the relatively few fall flowering perennials, and are effective as background plants. They bear small star-flowers in large clusters.

7250 **Latisquama.** 4.5 ft. July-Oct. Delicate pink. Pkt., 15c. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

Snow-bank. Four feet tall, a solid snow-white mound, perfect filler. Each, 65c; 3 for \$1.75; doz., \$5.50.

Centaurea ①

(Hardheads, Knapweed)

Culture: B, D or E, Page 58

The flower-heads are like showy, ragged Thistle blooms.

7426 **Dealbata Rose Delight. (Persian Cornflower).** Rounded, branching plants with pinnate foliage. Silvery below, large double flowers lilac rose, edged with pink lace. Pkt., 25c.

7425 **Macrocephala.** 3 ft. During July and Aug., its stiff upright stalks are topped with radiant yellow Thistle-like blooms. Flowers often 4 in. across. Fine for background. Pkt., 10c.

7430 **Montana Blue.** 2 ft. June-Sept. Numerous large deep blue flowers somewhat resembling the annual Cornflower. Pkt., 10c.

7428 **Hardy Perennial Mixed.** A mixture of thirty hardy Centaureas. A real treat is in store for those who plant this mixture, as it will be a means of securing plants of unknown and unlisted sorts of various forms and colors. Pkt., 15c.

7435 **×CERASTIUM Tomentosum ① (Snow in Summer).** 4 in. June-July. A low, creeping plant bearing a profusion of white flowers. Pkt., 15c.

Hardy Delphiniums ①

Culture: B, D or E, Page 58

Modern hybrid Delphiniums have become the dominant flowers in the perennial border of late June. In deep, rich soil, they grow six feet tall or more, with huge spikes of large flowers. Lower growing types are also valuable for both border and cut flower use; the Chinese and Butterfly types are fine for bedding.

NOTE—A teaspoonful of sugar in the water will delay shattering of cut Delphiniums two or three days. To aid the Delphinium plants to live relatively long is to see that the plants are well watered after blooming.

Pacific Giant Hybrids

Illustrated on the right.

- 1 BLUE JAY 3 GALAHAD
2 GUINEVERE 4 SUMMER SKIES
5 KING ARTHUR.

7566 Mixture of the Five Varieties above. Pkt. about 200 seeds \$1.00; pkt. about 100 seeds 50c.
Strong 1-yr. plants of Blue Jay, Galahad, Guinevere, Summer Skies. Each, 75c; 3 for \$1.95; doz. \$5.75.

The new strain produces plants that are 60 to 65 percent mildew resistant. The flowers are of immense size, tightly set on straight stems that are strong and whippy. The flowers do not shatter.

7559B Blue Bird. A clear medium blue with white bee with high tall spikes. Pkt., about 200 seeds \$1.00, pkt. about 100 seeds 50c.

7563 Black Knight. Large flowers of varying dark violet shade. Pkt., about 200 seeds, \$1.00; pkt., about 100 seeds, 50c.

7559A Blue Jay. From medium to dark blue with dark bee. Pkt., about 200 seeds, \$1.00; pkt., about 100 seeds, 50c.

7563A Cameliard Series. This is a pure lavender self with white bee. Pkt., about 200 seeds, \$1.00; pkt., about 100 seeds, 50c.

7560 Galahad. Clear white, highly mildew resistant. Pkt., about 200 seeds, \$1.00; pkt., about 100 seeds, 50c.

7561 King Arthur. Royal violet, large white bee. Pkt., about 200 seeds, 75c; pkt., about 100 seeds, 40c.

7561A Guinevere. Light pink lavender with white bee. Pkt., about 200 seeds, 75c., pkt., about 100 seeds, 40c.

7562 Summer Skies. Light blue with white bee. Pkt., about 200 seeds, 75c; pkt., about 100 seeds, 40c.

7562A Clear White. Of glistening texture. Pkt., about 200 seeds, 75c; pkt., about 100 seeds, 40c.

7559 Round Table Series. As the name implies this represents all of the color combinations of the above Knights and their Ladies. Pkt., about 200 seeds, 75c; pkt., about 100 seeds, 40c.

STANDARD COLORS OF PACIFIC GIANTS

7556 Dark Blue Shades. Pkt., 50c.

7557 Light Blue Shades. Pkt., 50c.

7558 Lavender Pastel. Color range from lavender, generally of two tone combinations, brown or black bees. Pkt., 50c.

7558A Mixed. The three varieties of the above standard sorts. Pkt., 50c.



7659 DIANTHUS Barbatu Homeland. Pkt., 35c.

7569 Wrexham Hollyhock-Flowered

Strain, Mixed. Giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor 1½ to 2 inches in diameter, many double.

Mixed Color Seed, Pkt., 50c. PLANTS, each, 50c; 3 for \$1.25; doz., \$4.25.

Other Hybrids

7550 Belladonna Improved Cliveden Beauty. 2 ft. June-July. Exquisite turquoise blue. These and Thermopsis Carolina (Yellow) are charming when combined in bouquets. Pkt., 20c. **PLANTS,** each, 50c; 3 for \$1.25; doz., \$4.25.

7552 Bellamosum Improved. Large deep blue flowers, uniform in color, with a white bee. Blooms 2½ inches across. Pkt., 25c.

7564 Blackmore and Langdon Strain. A famous English strain. All the clear shades of blue, with bees of contrasting colors. Pkt., 35c.

7547 Cardinale. "Scarlet Larkspur," a native California species with long spikes of scarlet flowers, seed germinates slowly. 2-3 ft. Pkt., 25c.

Chinese. See Page 30.

7523 Chinese Blue Mirror. See Novelty Pages.

7555 Indigo (True Blue). 3 ft. Pure indigo-blue, comes true from seed. Pkt. 35c.

7571 DELPHINIUM Vaughan's Special

Mixture. This contains the Elatum varieties, both double and single, the Butterfly, Chinese and all the other various kinds. Pkt., 35c.

Dianthus Barbatu ①

Single Sweet William 18-24 in.

Culture: B, D or E, Page 58

In June, when summer flowers are not yet in bloom and there is little in the garden available for cut flowers, the Sweet William is the most welcome.

7670 Atro-Sanguineus. Blood-red. Pkt., 10c.

7659 Homeland. Homeland is dark red with large sharply defined, clear white center. Pkt., 35c.

7655 Nigrescens. Dark foliage and flower. Pkt., 10c.

7660 Newport Pink. Salmon-pink. Pkt., 10c.

7661 Purple Beauty. Bright deep purple. Pkt., 10c.

7635 Scarlet Beauty. Vivid orange or salmon scarlet. Pkt., 15c.

7685 Single Giant-Flowered Mixed. Pkt., 10c.

Double Varieties

Seedlings of all double Sweet William produce about 40% of single blooming plants.

7705 Mixed. Pkt., 10c.

7710 Giant Double Mixed. A decided improvement. The plants are of robust, bushy habit, producing numerous stems surmounted by immense umbels of full, double flowers, many over one in. in diameter. The colors are extremely varied. Pkt., 20c.

7715 Vaughan's Special Mixture of Sweet William of all listed and others. Pkt., 25c.

Dictamnus (Gas Plant) ①

Culture: B or C, Page 58

This bushy perennial with its attractive flower spikes blooms with the tall bearded Iris. While its seeds germinate slowly, and do best when sown in the fall, once the plant is established it should not be moved.

7720 Fraxinella. 3 ft. May-June. Large spikes of deep pink purple-veined flowers. Pkt., 15c. **Plants,** each, 60c; 3 for \$1.50; doz., \$4.75.

7725 —Albus. 3 ft. May-June. Spikes of attractive pure white sweet-scented flowers. Pkt., 15c. **Plants,** each, 60c; 3 for \$1.50; doz., \$4.75.





7625 **DIANTHUS** Plumarius Vaughan's Special Mixed. Pkt., 25c. Plants, 45c; 3 for \$1.15; Doz., \$3.75.

Hardy Pinks (*Dianthus*)

Culture: B, D or E, Page 58

In the rocky and in the border the *Dianthus* family is of value. Most of them grow easily from seed, thrive in ordinary soil which must contain some lime, and should be in a well-drained situation.

7576 X Allwoodi Alpinus. 6 in. Flower first year from seed. It has single and semi-double flowers in all *Dianthus* colors. Is a perfect gem for the rock garden. Pkt., 50c.

7575 Allwoodi Mixed. The flowers are about 75 per cent double and all colors except yellow. The single flowers have the advantage of making large clusters. It is exceptionally hardy and flowers from early spring until fall. Pkt., 25c.

7579 X Arenarius (Sand Pink). 6 in. Flowers white, fringed, fragrant, forming a dense carpet. Pkt., 25c.

7580 X Caesius (Cliff Pink). 1 ft. Flowers delicate rose pink, fragrant. Pkt., 25c.

7580A Delight. Beautiful single flowers, 1 in. or more across, in a bewildering range of colors from lightest pink through salmon, red to deepest purple, many eyed like a Sweet William, while others have a definite contrasting light or dark center. Pkt., 25c.

7582 X Deltoides Brilliant (Maiden Pink). 8 in. Delicate pink blossom carried above fine, feathery foliage. Pkt., 25c.

7588A Erecta Red. Crimson flowers in short erect spikes. Pkt., 25c.

7581 Knappii. A yellow "Hardy Pink," unusual color for this family. Clusters of clear golden yellow flowers above grassy green foliage. Pkt., 25c.

7631 Loveliness. The flowers have large lacinated petals of a most exquisite mauve-pink, with delightful fragrance. Pkt., 25c.

7587 Best Rock Garden Varieties, Mixed. Rock gardens need the low growing *Dianthus* to brighten spots and fill in crevices. Pkt., 25c.

7592 Wintari. The flowers are of pure colors; habit compact; flowers first year from seed; deliciously scented. Pkt., 50c.

PLUMARIUS (Clove or Grass Pinks)

Plumarius is the old-fashioned, fragrant garden Pink. Fine for perennial border or rockwork.

7585 Highland Hybrids. Tall, strong stemmed pinks in varied colors, beautifully marked and zoned. Pkt., 35c.

7596 Ipswich Crimson. A grand single variety deep crimson flowers. Pkt., 25c.

7595 Little Jock Hybrids. 6-8 in. Compact plants produce a multitude of fringed flowers, an inch across, in pink, rose and white, 50 per cent double. Pkt., 25c.

7632 Scoticus Double Special Strain. Self colors of pink, rose, salmon and white and the same in combination with a bright crimson zone. Blooms 1½ to 2 inches. Free flowering. Pkt., 35c.

7609 X Spring Beauty. Double giant-flowered Grass Pinks, Carnation-like in form and size and with a beautiful range of color. Very fragrant. Pkt., 25c.

7615 X Single Mixed. Delicately fringed. Pkt., 10c.

7625 X Vaughan's Special Mixture. A grand selection of Clove Pinks of the above *Plumarius* type and others. Pkt., 25c. Plants, each 45c; 3 for \$1.15; doz. \$3.75.

7788 ECHINOPS Ritro (Globe Thistle). ① 3-4 ft. Steel-blue flower-heads, round like a ball, covered with needle-like spines. Pkt., 10c.



DICENTRA. Spectabilis. Plants, Each, \$1.00; 3 for \$2.65; Doz. \$7.25.

Dicentra (*Dielytra*) ① (Bleeding Heart or Seal Flower)

Culture: B or C, Page 58

7718 Eximia (Plumy Bleeding Heart). Dwarf; reddish purple. May and June. 12 in. Pkt., 25c. Plants, each, 80c; 3 for \$2.00; doz. \$6.50.

Spectabilis. Its long racemes of graceful heart-shaped pink flowers are always attractive. Is perfectly at home in any part of the hardy border, especially in the shade. Plants, each, \$1.00; 3 for \$2.65; doz. \$7.25.

Echinacea (*Coneflower*) ①

Culture: B, D or E, Page 58

Stout perennials for the border or wild garden. Flowers in July-August, good cut flowers.

7785 Purpurea (Purple Coneflower). 3-4 ft. A handsome border plant; purple flowers. Pkt., 15c.

7798 X ERINUS Alpinus. ① 4 in. May-June. Purple flowers, good for flagging. Pkt., 25c.

EUPATORIUM Coelestinum. The hardy Ageratum. Flowers a lavender-blue mist. Each 60c; 3 for \$1.50; doz., \$4.75.

Gypsophila (*Baby's Breath*) ①

Culture: A, B, D or E, Page 58

Established plants, which should never be disturbed, produce cloud-like masses of small flowers in the border. They are fine for cutting and dry perfectly for winter bouquets.

7861 Mangini. Wide tangles of large and pretty pink and white flowers valued for misty border effects, also for adding airy grace to cut flower arrangements. Pkt., 15c.

7866 Oldhamiana. 3 ft. The light little buds are first almost white, but open a lively shade of pink that darkens as the flowers mature. Pkt., 25c.

7867 Pacifica. 4 ft. Withstands both severe winter and extreme heat. The seedlings form dense bushes with myriads of tiny pink blossoms. Pkt., 25c.

Paniculata Bristol Fairy (Double Baby's Breath). Early double pure white large flowering perennial *Baby's Breath*. Produces a second crop of spikes. Plants, each, 65c; 3 for \$1.75; doz., \$5.50;

Rosenschleier (Rosy Veil). A semi-dwarf double pink variety giving two crops of bloom. Plants, each, 65c; 3 for \$1.75; doz., \$5.50.

7860 Paniculata Double Snow White. A great improvement on the single-flowered type and more lasting. 2-3 ft. July-August. Pkt., 25c.

7865 —(Baby's Breath). 2-3 ft. July-Aug. Small single flowers on branched stems, so thick as to give the plant a white lace-like effect. Pkt., 10c.

7863 X Repens Rosea. 6 in. Attractive dwarf pink. Pkt., 15c.

7862 X Repens Dwarf White. Pkt., 15c.

7791 X EDELWEISS Leontopodium Alpinum. ① 4-12 in. June-July. The flowers white and star-shaped. Both leaves and flowers are woolly. Pkt., 25c.



7775 **DIGITALIS** Vaughan's Special Mixture. Pkt., 15c.

Digitalis (*Foxgloves*) ①

Culture: B, D or E, Page 58

These are biennials and should be sown very early in the spring so plants will be large enough to flower the following year. They should be wintered in a cold frame where sub-zero temperatures are common and always in a well drained place, as their crowns remain green all winter.

7730 Gloxiniaeflora White. Flowers shaped and spotted like gloxinias. 2-4 ft. June-July. Pkt. 10c.

7735 —Pink: Pkt. 10c.

7740 —Purple: Pkt. 10c.

7745 Gloxiniaeflora Mixed Colors. Pkt., 10c.

7768 —The Shirley Hybrids. 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms from white and shell-pink to deep rose. Pkt., 25c. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

7750 Grandiflora or Ambigua. 2 to 3 ft. June-July. Yellowish flowers marked with brown. A true perennial. Pkt., 10c.

7769 Lutzii Hybrida. 4 ft. The spikes are strong and heavily laden with salmon-rose bells. Pkt., 20c.

7770 Orientalis. Blossoms of silvery down, on cream, all overlaid with an even netting of chestnut brown. An odd and attractive species. Pkt., 25c.

7749 Princess, Pastel Mixture. 4 ft. Here is really a new flower for your garden—a Foxglove in distinctly new pastel tints of pink, apricot, buff, rose and heliotrope. Pkt., 15c. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

7775 Vaughan's Special Mixture of Digitalis. The above, and other colors. Pkt., 15c.

Euphorbia ①

Culture: B, D or E, Page 58

7807 Corollata (Wild Baby's Breath). 2 to 3 ft. Blooms in midsummer, and suggests *Gypsophila* but the flowers are a cloud of small white stars, delicate and airy. Valuable for bouquets. Will bear drought or neglect. Leaves turn a rich wine color in fall. Pkt., 25c.

7808 X Myrsinites. 3 in. June-July. Distinct gray trailer, large heads of yellow flowers. Pkt., 25c.

Funkia (*Hosta*, Day Lily)

Very attractive plants with slender leaves surmounted by Lily flowers in terminal racemes, 1½-2 ft., July-Aug. Excellent in any shady position.

Subcordata Grandiflora. Flowers white, large green leaves. One of the best perennials for shade. each, 75c; 3 for \$2.00; doz., \$6.25.

Variegata. Most attractive variegated border plant. Well adapted to the shade. Each 60c; 3 for \$1.50; doz., \$4.75.

Eryngium (*Sea Holly*) ①

Culture: C, B, D or E, Page 58

Handsome ornamental plants for flower and shrubbery borders. Flowers July to Sept. The leaves are prickly and the flower head itself is a small Teasel.

7793 Amethystinum. 1½-3 ft. Fine foliage with bluish-green shoots terminating in numerous amethyst-blue thistle-like flowers. Pkt., 25c.



7852 GEUM Lady Stratheden. Pkt., 35c.
7855 GEUM Mrs. Bradshaw. Pkt., 25c.

Geum ①

Culture: B or C, D or E, Page 58

Geums are showy, producing a wealth of attractive flowers much prized for cutting. Excellent for border.

7852 Lady Stratheden (Golden Ball). 2 ft. Flowers loosely double; a delightful shade of golden yellow. Pkt., 35c.

7855 Mrs. Bradshaw. 2 ft. The double orange-scarlet flowers are very large and full. June-Sept. Pkt., 25c.

7854 Prince of Orange. True rich orange on long stems. Pkt., 25c.

Gerbera (Transvaal Daisy) ①

Culture: D or E, Page 58

7846 Jamesoni Hybrids (Flowerland Strain). 2 ft. Large Daisy-like blooms on long stems in yellow and red. Seed should be sown singly, point up; cover lightly in greenhouse or hotbed. Transplant when leaves are one inch long. Water sparingly. Give sunny, airy location, protect from rain in summer in the open. Needs protection over winter. Pkt., (25 seeds) 25c.

Helenium (Sneezewort) ①

Culture: B, D or E, Page 58

To register masses of color in the border background, the Heleniums and other members of the Sunflower family are most useful. They grow easily from seed and spread rapidly. Autumn flowering varieties are especially valued for contributing autumn color.

7880 Bigelowi. 2 ft. Light yellow flowers borne from July to September. Pkt., 25c.

7890 Riverton Gem. 2 to 4 ft. Covered from August to October with brilliant old gold, changing later to wallflower-red. Pkt., 25c.

Heliopsis (Orange Sunflower) ①

Culture: A, B, D or E, Page 58

A very brilliant border plant, resembling a double Sunflower; an excellent cut flower.

7909 Lemoine Strain. Double golden yellow. Blooms first year from seed. Pkt., 15c.

Hibiscus (Rose Mallow) ①

(3 to 5 Feet)

Culture: B, D or E, Page 58

In the late summer, when perennials are few, well established plants of Mallow bear their beautiful single flowers, 3 to 5 inches, several weeks. Aug.-Sept.

7945 Crimson Eye. Creamy white flowers, large crimson center. Pkt., 10c.

7950 Golden Bowl. Deep cream, with a velvety maroon center. Pkt., 10c.

7946 Jumbo Red. A special selection made to improve color and size of the flower of the Mallow Marvels Red. Pkt., 15c. Plants, each, 55c; 3 for \$1.35; doz., \$4.50.

7960 Mallow Marvels, Mixed. Pkt., 15c. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

7965 —Red. Pkt., 15c.

7966 —Pink. Pkt., 15c.

7848 GLIA Coronopifolia. Red. A remarkably beautiful biennial, flowers of a rich shade of red, in tall graceful spikes, sown very early and grown on quickly will flower same autumn. Pkt., 25c.



7812 GAILLARDIA Burgundy. Pkt., 25c.
Plants, 3 for \$1.25.

Gaillardias ①

Culture: B, D or E, Page 58

For cheerful, long-lasting garden color, Gaillardias are indispensable. Groupings of them here and there in front of shrubs will provide splashes of color for weeks and weeks. A rich light soil is essential and they require a sunny situation to do well.

7809 Grandiflora Monarch Strain. A robust strain very varied in coloring and with flowers of giant size and perfect form. Pkt., 25c.

7812 —Burgundy. 2 ft. Shining wine-red flowers, 2½ in., from June until fall. Blooms same year, sown early. Pkt., 25c. Plants, Each, 50c; 3 for \$1.25; doz., \$4.25.

7811 —Dazzler. Large golden yellow flowers with rich maroon center. Pkt., 25c.

7817 —Goblin. 12-15 in. First real dwarf, covered with showy deep red flowers yellow bordered. Flowers first year from seed. Pkt., 25c.

7836 —Portola Hybrids. 2½-3 ft. The flowers are nearly 4 inches; brilliant scarlet intensified by golden yellow tip. Pkt., 25c.

7831 —Tangerine. Compact grower. Large tangerine orange-colored flowers. Pkt., 25c.

7819 —Torchlight. Bright golden yellow flowers with a rich maroon center. Pkt., 15c.

7810 —Mixed. Composite flowers variegated with shades of red and yellow. Pkt., 10c. Plants, each, 45c; 3 for \$1.15; doz., \$3.75.

Day Lilies (Hemerocallis)

Modern Day Lilies have been greatly improved in color range, size of flowers and season of bloom. They have become one of the important perennials for midsummer bloom. Perfectly hardy, they increase rapidly under favorable conditions.

Aureol. Early flowering brilliant orange yellow. Each, 60c; 3 for \$1.50; doz., \$4.75.

Dr. Regel. Rich orange yellow. Very fragrant. Each, 50c; 3 for \$1.25; doz., \$4.25.

Florham. Deep yellow, crimped petals. Each, 50c; 3 for \$1.25; doz., \$4.25.

Fuwa Kwanzo. Red center fading to lighter shade at edge. Each, 50c; 3 for \$1.25; doz., \$4.25.

Mikado. Orange with mahogany throat. Fragrant. Each, 60c; 3 for \$1.50; doz., \$4.75.

Ophir. Yellow trumpet shaped flowers 5 in. across. Each, 60c; 3 for \$1.50; doz., \$4.75.

Sovereign. Deep yellow. Winner of award of merit. Each, 50c; 3 for \$1.25; doz., \$4.25.

Thunbergi. Fragrant. Soft yellow flowers. Each, 50c; 3 for \$1.25; doz., \$4.25.

NEW HEMEROCALLIS

Apricot. A distinct apricot shade. Each, 75c; 3 for \$2.00; doz., \$6.25.

D. D. Wyman. Golden-yellow, tawny slash petals. Each, 75c; 3 for \$2.00; doz., \$6.25.

Gipsy. Deep orange, bright and spicy as the name implies. Each, 60c; 3 for \$1.50; doz., \$4.75.

Goldeni. Burnished gold with a positive gold eye at the throat. Each, 60c; 3 for \$1.50; doz., \$4.75.

Hyperion. Large canary-yellow. Each, 75c; 3 for \$2.00; doz., \$6.25.

COLLECTION. One each of the above, \$3.45 value for \$2.75.

Culture: A, B, C, or D, Page 58

7922 HEMEROCALLIS Peerless Blend. A mixture of high merit. Seeds saved from 10 botanical species, also from fine hybrid seedlings. This blend will give a wide color range of excellent Day Lilies. Seeds, pkt., 25c.



8015 HOLLYHOCKS Vaughan's Prize Double Mixture. Pkt., 15c.

Hollyhocks ①

Culture: B, D or E, Page 58

Hollyhocks are most decorative and the great spikes of bloom are "Towers of Beauty" to the garden picture. Following Delphiniums in the border show, have a long season of bloom which can be prolonged by picking off faded flowers, and a second crop will come if the first stalks are cut back. Need well drained location.

Hollyhock rust can be overcome by treating the plant as a biennial, sowing the seed early one year for flowering the next, as it is a well known fact rust seldom attacks young plants.

Double Varieties

7969 Black.	7990 Salmon.
7971 Colorado Sunset.	7988 Scarlet.
7995 Crimson.	7970 White.
7972 Deep Salmon Red.	7992 Yellow.
7975 Maroon.	7980 Rose.
8004 Lilac Beauty.	A clear bright lilac color.
8005 Newport Pink.	The finest pure pink.
8001 Purple Robe.	Deep purple.

Each of above, pkt., 10c.

PLANTS. Mixed Colors. Each, 45c; 3 for \$1.15; doz., \$3.75.

8008 Begonia Flowered Imperator, Mixed. Flowers with broad collar of frilled and fringed petals and double center rosette. Mixture containing many interesting combinations of colors. Pkt., 25c.

8015 Vaughan's Prize Double Mixture. Finest shades in perfect flowers. Pkt., 15c; ½ oz., 50c.

8010 Allegheny Mixed. Flowers come single, semi-double and double, about 5 inches across. Pkt., 10c.

8007 Mixed "Souvenir de Madam Perrin." Semi-double flowers, notched or toothed at the edge. Finest color range in balanced mixture. Pkt., 25c.

8016 Vaughan's Special Mixture. This mixture is composed of all the best double varieties as well as two new French strains, not offered before. A most interesting combination. Pkt., 25c.

Single Varieties

More permanent and hardy than the double and if planted with a deep green background, such as arbovitae hedge, they afford a most striking effect.

8021 Delicate Pink Shades. Lovely tints. Pkt., 25c.

8055 Mixed. ¼ oz., 30c; pkt., 10c.

Annual Hollyhocks—See Page 28.

Hesperis Matronalis ① (Sweet Rocket—Evening Scented Stock)

Culture: B, D or E, Page 58

The fragrant flower-heads of these thrifty flowers somewhat resembling perennial Phlox, make a fine display in the border, or in bits of woodland, for they endure light shade. 2 to 3 feet. June and July.

7930 Purpurea. Lilac. Pkt., 10c.

7935 —Alba. White. 10c. **7936 —Mixed.** 10c.

Grow Iris From Seed

Culture: A, B or C, Page 58

- 8089 Kaempferi.** Special strain, see Novelties.
- 8092 Siberian.** This type of Iris resembles the Spanish and English Irises. It makes a bright show in the garden and is excellent for cutting. Sow seed in fall. Pkt., 15c. For Iris plants see Index.
- 8091 Dichotoma (August or Vesper Iris).** Fragrant flowers on tall branching sprays from July to September. Cream to violet-purple markings of various colors. Seed sown in early spring will germinate quickly, and a fair proportion will bloom the first summer. Pkt., 20c.



8162 LILIAM Regale. Pkt., 15c.

Lilies from Seed ①

Many Lilies are easily grown from seed; and seedling Lilies are likely to be more enduring in your garden. A leaflet describing the simple methods which bring success, requiring no skill, but merely care and patience, will be sent free with each order for Lily seed, if requested.

- 8158A Longiflorum Praecox White Queen.** Produces long trumpet-shaped flowers of clear white. Pkt., 25c.
- 8162 Regale (The Royal Lily).** 3½ ft. King of lilies of northern gardens. Easiest of all northern lilies to grow, none more beautiful. Great flaring trumpets glossy waxy white, interior shows a lemon tinting and the reverse a rosy suffusion. Pkt., 15c.
- 8163 Tenuifolium (Coral Lily of Siberia).** It is a gem, perfectly hardy. One of the earliest to flower. 24 in. high with the flowers up and down on stem. Blooms are deep scarlet and have recurved petals of waxy texture. Pkt., 25c.
- 8164 —Golden Gleam.** Robust and floriferous, bearing numerous flowers of a pure apricot-yellow. Pkt., 25c.
- 8164A Mixture of Hardy Lilies.** Pkt., 25c.
- For bulbs of varieties of Lilies we can supply see Index.

Linum (Flax) 12 to 18 in. ①

Culture: C, Page 58

The foliage and flower present the appearance of a small feathery bush. The flowers are borne in great numbers from May through September.

- 8140 Flavum.** 1-2 ft. Produces masses of golden yellow flowers from June until Sept. Pkt., 20c.
- 8141 —Compactum Nanum.** A glowing golden yellow, blooms for months and if cut back gives a fall crop. Pkt., 25c.
- 8127 Narbonense Heavenly Blue.** The flowers are twice as large as the common Linum Perenne. The color is a luminous ultramarine blue. Blooms from seed the first year. Pkt., 25c.
- 8125 Perenne Blue.** 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms produced continuously in profusion. Pkt., 10c. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.



PLATYCODON Blue and White.

Lupinus Polyphyllus ①

Culture: A, B, D or E, Page 58

Inoculate Lupin seeds with Nitragin. Two garden sizes, 10c and 25c. Chill seed before sowing.

- 8170 Albus.** Large, pure white spikes. Pkt., 10c.
- 8165 Blue.** Stately spikes of blue. Pkt., 10c.
- 8174 Downer's Hybrids.** Perpetual flowering hybrids. Pkt., 25c.
- 8175 Roseus.** 4 ft. Light and dark rose. Pkt., 10c.
- 8171 Famous Russell Strain. Mixed colors.** These remarkable Lupins are often 3½ ft. in length. The coloring has an enormous range and unique character. Flowers in 4 months from sowing. Gold Medal award by the R.H.S. Pkt., 25c. Strong, blooming size. Plants, each, 55c; 3 for \$1.35; doz., \$4.50.
- 8179 Vaughan's Special Mixture.** This is a choice mixture of the best English and American strains, including recent novelties. Pkt., 25c.

Lychnis ①

Culture: B, D or E, Page 58

A fine old-fashioned flower that livens up the border during summer and early autumn.

- 8190 Chalcidonica (Maltese Cross).** 3 feet. June-Aug. Burning Star. Flowers fiery red in clusters, each blossom forming a Maltese cross. Will bloom from seed the first year. Pkt., 10c.
- 8196 —Salmon Queen.** 3 ft. Salmon-pink. 15c.
- 8215 X Viscaria Splendens.** 1½ ft. Almost evergreen foliage, bright rose flowers. Pkt., 10c.
- 8221 LYTHRUM The Beacon Improved.** Neat spikes of carmine red flowers. Height 3½ ft., pkt., 25c. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.
- 8220 —Roseum Superbum.** ④ 4 ft. Rose-pink. Pkt., 10c.

NEW MONARDAS

- Cambridge Scarlet.** Vivid deep scarlet bergamot. Each, 60c; 3 for \$1.50; doz., \$4.75.
- Dahliatum Orchid.** Crystal clear orchid pink. Each, 60c; 3 for \$1.50; doz., \$4.75.

COLLECTION: One each of the above for \$1.00.

MYOSOTIS, Forget-Me-Not. See page 34.

For Winter Bouquets ①

Culture: B, D or E, Page 58

- 8150 LUNARIA Biennis Annual (Honesty or St. Peter's Penny).** Flowers lilac-purple, followed by silvery seed pods, prized for winter bouquets. Biennial but readily self-sows. Pkt., 10c.
- 8155 —Alba.** Flowers white. Pkt., 10c.

- 8261 OENOTHERA (Evening Primrose).** Missouriensis Macrocarpa, 1 ft. Pkt., 10c.

Nepeta (Mauve Catnip)

Culture: A, B, C, D or E, Page 58

Neat bushes covered with lavender-blue flowers; both foliage and flowers aromatic.

- 8254 X Mussini.** 1 ft. May-Sept. Light blue. Pkt., 25c.

Platycodon ①

(Chinese Bell Flower)

Culture: B, D or E, Page 58

They resemble Campanulas, with dainty bell flowers on graceful stems, and are effective in the border foreground. They flower from June to September.

- 8360 Grandiflorum.** 2-3 ft. Large handsome deep blue flowers. Pkt., 10c.
- 8365 —Album.** White. Pkt., 10c.
- 8363 —New Giant Early Blue.** Immense blossoms of blue-violet. Sometimes variants of pure white, or white streaked with azure, will appear. Blooms first year as quickly as an annual. Pkt., 25c.
- Grandiflorum Mixture.** Plants, each, 45c; 3 for \$1.15; doz., \$3.50.
- 8370 X Mariessii Blue.** 1 ft. Deep blue dwarf. Pkt., 10c.
- 8375 X —Alba.** White. Pkt., 10c.

Plumbago

Larpenae. 8 inches. Dwarf spreading habit covered with deep sky-blue flowers all summer. Rich color and abundance of bloom make ideal edging plant. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

POLYGONATUM Multiflorum. Pendant sprays of white flowers on 2 foot stems. Each 50c, 3 for \$1.25; doz., \$4.25.

POTERIUM Obtusum. Crimson spikes 3 in. long. Each 75c; 3 for \$2.00; doz., \$6.25.

Heuchera (Coralbells) ①

Culture: B, D or E, Page 58

From a tuft of heart shaped leaves, graceful flower stalks rise, bearing flowers in clusters. Beautiful both in border and in rockery.

- 7940 Sanguinea.** 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. Pkt., 25c.
- 7943—New Hybrids Mixed.** All shades of red and coral pink. Large and free flowering. Pkt., 25c. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

Iberis (Perennial Candytuft) ①

Culture: A, B, D or E, Page 58

Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

- 8075 X Gibraltarica.** Pinkish white. Pkt., 10c.
- 8076 Jucunda.** 6 in. Dwarf pink, very pretty. Pkt., 25c.
- 8080 X Sempervirens.** Sheet of white. Pkt., 25c.

Lathyrus Latifolius ①

(Hardy Sweet Pea)

Culture: B, C, D or E, Page 58

Very decorative climbing vines of the Pea family for growing on fences, trellis, etc., and for cutting. Blooms all summer, if seed pods are removed.

- 8100 Pink Beauty.** Pale pink variety. Pkt., 10c
- 8105 Rubra.** Bright rosy crimson. Pkt., 10c.
- 8110 White Pearl.** Large white. Pkt., 10c.
- 8115 Mixed.** The above colors. Pkt., 10c.

Lavender (Lavendula) ①

Culture: B, D or E, Page 58

Delightfully fragrant flowers, much used when dry on account of their sweet odor. Prefers warm, dry soil. Sow seed in fall

- 8117 X Munstead Strain.** 1 ft. A most valuable variety. A month earlier than the common Lavender. Pkt., 25c.

Liatris ①

(Kansas Gay Feather)

Culture: B, D or E, Page 58

- 8118A Elegans.** A beautiful and distinct species. Each individual blossom is a large and starry pure lavender with white centers. Pkt., 25c.

- 8119 Scariosa.** Crowded spikes of rosy purple flowers. Pkt., 15c.

- 8117B —Alba.** 2½ ft. The flowers are attractive white pompons thickly studding each stem. The top buds open first and then the others gradually down the stem. Pkt., 35c.

- 8117A —September Glory.** A giant 6-foot spike solidly covered with purple flowers from top to bottom. The flowers, unlike the common variety, come into bloom all at the same time, creating a marvelous effect. Pkt., 25c. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

Linaria (Toad Flax) ①

Culture: A, B, D or E, Page 58

Showy free-flowering plants. Good for borders.

- 8120 X Cymbalaria (Kenilworth Ivy).** 3 in. Dainty lilac and orange, trailing habit. Pkt., 10c.
- 8121 Macedonica Speciosa.** 36 in. Creamy white. Pkt., 15c.

Lobelia ①

Culture: B, C, D or E, Page 58

Handsome border plants, thriving in any ordinary garden soil, but preferring a moist, deep loam.

- 8145 Cardinalis (Cardinal Flower).** 2 ft. July-Oct. Tufts of bronzy green foliage from which arise spikes of fiery scarlet flowers. Pkt., 15c. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.



PHLOX Chieftain, 3 for \$2.00.



PHLOX Daily Sketch, 3 for \$2.00.

8340 PHLOX Decussata Mixed. 2-3 ft. This special mixture comes from a superior collection of large-flowering sorts. Perennial Phlox do not come true from seed and can be had only in mixture. Seed germinates slowly. Pkt., 25c.



8279 Iceland Poppy Vaughan's Special Mixture, Pkt., 25c.

Hardy Phlox Plants

We offer varieties of Phlox which have proved to be long lived and resistant to disease, in a representative range of colors. All these varieties have large florets and heavy heads of bloom.

Blue Hill. Mauve with an exotic purple hue. Each, 65c; 3 for \$1.75; doz. \$5.50.

Daily Sketch. A soft salmon pink, with a delicate carmine eye. Each 75c; 3 for \$2.00; doz. \$6.25.

Leo Schlageter. Vivid scarlet. Each 65c; 3 for \$1.75; doz. 5.50.

Flanders. Finest pure white. Each 75c; 3 for \$2.00; doz. \$6.25.

R. P. Struthers. Improved. Rosy carmine. Each 75c; 3 for \$2.00; doz. \$6.25.

Chieftain. Indian red. Each 75c; 3 for \$2.00; doz. \$6.25.

COLLECTION: One each of the above \$4.30 value for \$3.30.

Dwarf and Subulata Phlox

Dixie Brilliant (Nivalis Sylvestris). Low spreading gray-green foliage, covered in early spring with rosy red flowers. 1 inch diameter. Each, 55c; 3 for \$1.35; doz. \$4.50.

8352 PHYSOSTEGIA Rosy Spire. Dozens of fine spikes of rosy crimson flowers on plant of attractive bushy habit. Pkt., 25c. Plants, each 60c; 3 for \$1.50; doz., \$4.75.

Summer Snow. A rare novelty. Originally sported from the above. A true collector's item for tomorrow's garden. Each 75c; 3 for \$2.00; doz., \$6.25.

Primula ①

There is a growing appreciation of the beauty of the amazingly varied Primrose family. Blossoming in April and May, their brilliant colors have few rivals in plantings along shady paths or in the rock garden. Seed germinates slowly.

Culture: C or B, Page 58

8403A X Auricula Large Flowering Mixed. 6 in. Flowers in early spring in colors of yellow, brown and red. Seeds, Pkt., 25c.

Polyantha Type (Bunch Primrose)

These are showy, cluster-flowered, of exceptional size, thriving in rich, moist soil.

8419 Veris Grant Crimsom. Pkt., 25c

8416 X—Grandiflora, Mixed. An extra choice large flowered mixed strain most carefully selected for habit, rich coloring and size of bloom, the finest strain for bedding. Pkt., 35c. Plants, each 50c; 3 for \$1.25. doz., \$4.75.

8418 Giant Bouquet Mixed. Large flowered, strong stems, excellent mixture. Pkt., 25c.

8423A—Monarch Strain. Undoubtedly the finest of all strains. Pkt., 25c.

Veris Blue Shades. A select strain, producing various shades of blue flowers. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

8424 Vulgaris (English Primrose). Pale yellow for wild gardens. Pkt., 25c.

PERENNIAL SEED MIXTURES

Mixtures of perennial seeds similar to our popular surprise garden of annuals.

8600 Dwarf. 6 to 15 in. **8601 Medium.** 18 to 36 in.

8602 Tall Sorts Mixed. 3 ft. and upwards. Each of above, per pkt., 25c; 3 pkts. for 65c.

PACHYSANDRA Terminalis. A trailing plant 6 in. to 8 in. high. Bright, glossy green foliage. Ideal ground cover for the shady spot. 3 for \$1.25; 10 for \$3.60. 100 for \$20.00.



8313 POPPY Oriental Named New Varieties. Mixed. Pkt., 25c.

Pentstemon (Beard Tongue) ①

Culture: B, D or E, Page 58

They are very showy, growing from 2 feet to 4 feet high, are rather bushy and have very long, slender spikes which bear many trumpet-shaped flowers.

8335 Digitalis. 2 ft. June-July. White flowers with purple throat. Pkt., 25c.

8338 Hardy Perennial Blend. Pentstemons are most satisfactory perennials. This mixture contains many varieties not listed separately. Pkt., 25c.

Garnet. Large flowering, the plants have a succession of several 12-18 in. spikes, with bell-shaped flowers, rich garnet red in color. The flowers are excellent for cutting. Plants, each 60c; 3 for \$1.50; doz., \$4.75.

Firebird. Very similar to above excepting color, which is ruby-crimson—another excellent cut flower. Plants, each 60c; 3 for \$1.50; doz., \$4.75.

Physalis Franchetti ①

Culture: B, D or E, Page 58

8346 Physalis Gigantea. (Chinese Lantern Plant). The attractive orange-scarlet balloon-shaped seed pods are very large and will make excellent winter decorations. Pkt., 20c.

Rudbeckia (Cone Flower) ①

Culture: B, D or E, Page 58

Hardy, free flowering and easily grown perennials belonging to the Daisy order. Excellent and showy plants for sunny or partially shaded borders, and for yielding flowers for cutting.

"The King." Habit of growth similar to ordinary species but Daisy shape blossoms are larger, petals are held erect and color is distinct wine-red with large brown center cone. Flowers have long life, 3 ft. July-Sept. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

Perennial Poppies

ICELAND or Nudicaule 12 to 18 in.

Culture: B, Page 58

Cool moist soil is necessary, and light shade preferred. If faded flowers are picked off plants blossom all summer, and they usually bloom the first year from seed. 12 inches

8291 Gartford Giant Art Shades. Exceptionally large flowers, fluted and carried on long wiry stems. The colors include lovely pastels. Pkt., 25c.

8281 Yellow Wonder. Buttercup yellow flowers on stems 25 in. long, heat and drought resisting. Pkt., 25c.

8293 Iceland Emperor. 18-22 in. Finest giant orange variety, of distinct new form, with broad over-lapping fluted petals giving effect of semi-double. Blooms freely first year from seed. Pkt., 25c.

8278 Sanford's Giant Strain. Immense flowers in a beautiful color range. Pkt., 20c.

8279 Vaughan's Special Iceland Poppy Mixture. We have included in this all the newer varieties and older forms. Pkt., 25c.

8270 X Nudicaule Mixed. Pkt., 10c.

ORIENTALE (Oriental Poppy) 3 ft. May-June These gorgeous spring flowers, often six inches across, of vivid coloring, may be left undisturbed for years. They are beautiful with the tall bearded Iris.

The named varieties of Oriental Poppies do not come entirely true from seed.

8307 Beauty of Livermere. Finest dark crimson. Pkt., 25c.

8303 Mahoney. Maroon, shaded crimson. Pkt., 15c.

8309 Mrs. Perry. Delicate salmon-rose, black base. Pkt., 25c.

8305 Princess Victoria Louise. Large flowers, soft lilac-rose color. Pkt., 15c.

8310 Red. Very striking color. Pkt., 10c.

8313 Named New Varieties Mixed. Seed collected from a field of the newer named sorts. Lovely pinks, lake, rose and white and other lighter shades. Pkt., 25c.

8259 Native Wild Flower Mixture.

Seeds of more than 100 different species, carefully collected in the field, are included. All are American, and all are collected in the temperate zone. There are few annuals, the rest hardy perennials. For sowing in woodlands, naturalistic borders, and wild flower gardens. Pkt., 25c

Polemonium (Jacob's Ladder) ①

Culture: B, D or E, Page 58

Free flowering hardy perennial herbs; belong to the Phlox order. They have graceful, pinnate leaves, and bear their flowers in loose heads. Showy plants for the mixed, sunny border, blossoming with the Tulips.

8380 Coeruleum (Greek Valerian). 2 ft. Beautiful sky-blue flowers with golden anthers. April-July. Foliage fern-like. Pkt., 15c

8387 X Reptans. 6 in. Flower sprays china-blue. Mounds of beautiful blossoms. Pkt., 25c.

Pyrethrum Roseum

(Painted Daisy) May-June

Culture: B, D or E, Page 58

Their large flowers, well named Painted Daisies, blossom with the tall Iris, and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seed. 1 to 2 ft.

8433 Double and Single Mixed. Pkt., 35c.

8438 Robinson's Hybrids, Mixed. A selection made by an English specialist, with a fine color range of single over-lapping petals carried on long stiff stems. Pkt., 25c. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

8438A Robinson's Crimson. The best red. Pkt., 25c.

8435 Single Mixed. Pkt., 10c.

Rose

Culture: B, D or E, Page 58

8452 The Baby Rose. Multitudes of tiny roses in varied lovely colorings, but largely in white, blush or delicate pink. Flowers single to fully double. More or less everblooming. Quick from seed, and from earliest spring sowings, plants will be in flower by June, midgets but four inches high. Pkt., 25c.

Salvia

Culture: B, D or E, Page 58

Showy, hardy plants of medium growth and of easy cultivation in sunny borders. Grow on dry side and without fertilizer. The flowers are borne in spikes, racemes, or panicles, and are very attractive during the summer months.

8475 Pitcheri. Delightful flowers of brightest azure blue, carried in long racemes. Foliage is silver dusted. Fully hardy and long lived perennial that will nevertheless bloom the first year from seed if sown early. Pkt., 20c. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

8480 Patens. 2 ft. Large, rich deep blue flowers. Roots can be wintered in cellar. Sept. Pkt., 25c.

Silene (Catchfly)

Culture: B, D or E, Page 58

A charming class of plants for the rock garden. They are closely allied to the Pink family and require much the same treatment. They bloom nearly all summer.

8509X Schafta. 4 in. July-October. Bright rose. One of the best autumn border plants. Pkt., 25c.

Statice (Sea Lavender)

Culture: B, D or E, Page 58

They are stemless, the leaves springing direct from the root stock; and the flower stems are more or less twiggy, bearing their small flowers in much-branched panicles. The flowers are useful for drying for winter.

8516 Caspia. The multitude of small flowers composed in spikes 2 to 3 ft. long; tender lilac. Pkt., 15c.

8515A Dumosa. It forms densely packed cushions of pure silvery gray flowers. Their stems are stiff and wiry; the panicles are thickly covered with blossoms. 2 ft. Pkt., 25c.

8520 Latifolia. 2 ft. Grown for its lovely lacy foliage and purplish blue minute flowers produced all summer; if cut and dried, is useful for winter bouquets. Pkt., 10c. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

8517 Perezii. Rich bright blue. Pkt., 25c.

Stokesia (Stokes' Aster)

Culture: B, D or E, Page 58

Large flowers, resembling a single Aster, prefer a light soil, and some winter protection.

8525 Cyanea. 18 in. July-Oct. Flowers rich blue. Pkt., 15c.

8526 —Alba. Blush white. Pkt., 15c.

8535 —Mixed. Blue and white. Pkt., 15c.

Blue Moon. A perfectly hardy and vigorous variety with exceptional merit. The vivid blue disc-like flowers, often 5-6 in. in diameter, are borne well above the plant on stems 12-18 inches long. Blooms throughout season. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

SEEDS GERMINATE SLOWLY AND IRREGULARLY

The following varieties and seed bed should be prepared where it will be undisturbed for a year or more.

Aconitum, Anemone, Delphinium Cardinale, Dictamnus, Iris, Hardy Primulas.



8438 PYRETHRUM Robinson's Hybrids Mixed. Pkt., 25c. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

Scabiosa

Culture: B, D or E, Page 58

They are in bloom from June to October, require little space and thrive in ordinary soil. The graceful flowers in delicate shades of blue and lavender are borne on long, erect stems and are a valuable cut flower.

8490 Caucasica Perfecta. 18 in. Light blue flowers prettily fringed on long stems; fine for cutting. June-October. Pkt., 15c.

8491 —Alba. Pure white comes true. Pkt., 25c.

8494A —Vaughan's Special Mixture. Large fringed and ruffled flowers from lavender, to dark blue; some pure white. Pkt., 25c.

8496 Fischeri. 2½ ft. A long lived perennial, flower is 2½ in. of beautiful blue-purple. Pkt., 25c.

8492 House's New Giant Hybrids. 18 in. June-Oct. Large flowers in various shades of lavender. Pkt., 25c.

8496A Goldingensis. Large flowers, waved petals, small center, deep lavender. Pkt., 25c.

Saponaria

Culture: B, D or E, Page 58

8482X Ocymoides Splendens. 6 in. A showy dwarf trailing plant, producing a sheet of rose colored flowers. June-August. Pkt., 10c.

Thalictrum (Meadow Rue)

Culture: B, D or E, Page 58

Though not of bright and conspicuous color, the feathery flowers of the Thalictrums are decorative and interesting, and their leaves, resembling the maiden-hair fern, are attractive both in the border and when cut. They grow easily from seed.

8545 Diptercarpum. 4 to 5 ft. Aug.-Sept. Very graceful plumes of rosy-purple flowers with conspicuous yellow anthers. Pkt., 25c.

Thermopsis

Culture: B, D or E, Page 58

8548 Caroliniana. 3 to 5 ft. June and July. The long, graceful spikes of yellow Lupin-like flowers blossom with the Delphiniums and provide an excellent foil for their blues. Pkt., 25c. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

Tritoma, Red Hot Poker

Culture: B, D or E, Page 58

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

8558 Pfitzer's Hybrids. Orange scarlet. Pkt., 15c. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

Tunica

Culture: B, D or E, Page 58

8559XSaxifraga. A pretty tufted plant with light pink flowers, produced all summer. Useful either for the rockery or the border. Pkt., 15c.

Valeriana (Garden Heliotrope)

Culture: B, D or E, Page 58

8559A Alba. Pure and fragrant. Flowers in June, one of the most charming perennials. Pkt., 10c.

8560 Rubra. 2 ft. Showy heads of old rose flowers in umbels on 12 inch stems. Pkt., 10c.

8561 Mixed. Pkt., 10c.

8562 Officinalis. 3 to 4 ft. Produces showy heads of rose-tinted white flowers during June-July with delicious strong Heliotrope odor. Pkt., 25c.

Verbascum (Mullein)

Culture: B, D or E, Page 58

Plants of stately growth. The leaves more or less woolly, and the flowers are borne in branched spikes. Belongs to the Foxglove order.

8567 Olympicum. 6 ft. Silvery foliage; golden yellow flowers borne in large pyramidal spikes. June-Sept. Pkt., 25c.

8569 Phoenixium Hybrids. 2 ft. Bears white, purple, rose or red flowers in erect spikes. Pkt., 25c.

Veronica (Speedwell)

Culture: B, D or E, Page 58

Hardy, herbaceous perennials varying in height from a few inches to 3 or 4 ft., and bearing blue or white flowers in terminal spikes or racemes.

8577X Incana. White woolly plant, numerous blue flowers. 12 in. June-July. Pkt., 25c.

8576 Longifolia. 2½ ft. Spikes of light blue flowers, glaucous blue foliage. July-Sept. Pkt., 15c.

8570 Spicata Blue. 2 ft. July-August. Flowers violet blue in long spikes. Pkt., 15c. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

VERONICA Subsessilis.

2 ft. July-Sept.

Conceded to be the best of the Veronicas. It blooms latest of all; the large spikes of dark blue flowers are borne on stiff stems well above the foliage. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

Vinca Minor (Grave Myrtle)

Valuable for rockeries or makes a fine evergreen carpet under and about shrubs and trees. 4 in. June. Green foliage, large blue flowers.

Bowles Variety. Glossy leaved plant which makes a fine evergreen for shady locations. Flowers are a charming intense blue. Plants, each, 45c; 3 for \$1.15; doz., \$3.50.

PLANTS OF HARDY SWEET VIOLETS

XFrey's Fragrant. Large deep purple single blooms, standing well above the heavy foliage. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

XDouble Russian. The true hardy double violet. Very double, dark purple flowers, intensely fragrant. Plant in shade and mulch. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

Pilkington. Dark purple, prolific. Plants, each 50c; 3 for \$1.25; doz., \$4.25.

Princess of Wales. Old English blue favorite. Each, 50c; 3 for \$1.25; doz., \$4.25.

XRosina. Abundance of very fragrant, rose-pink flowers. It also blooms more freely in Autumn than other varieties; very often it will bloom all October. Extremely hardy and a gem for the shady corner. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

Royal Robe. Lustrous violet blue, very fragrant, opens like pansy. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

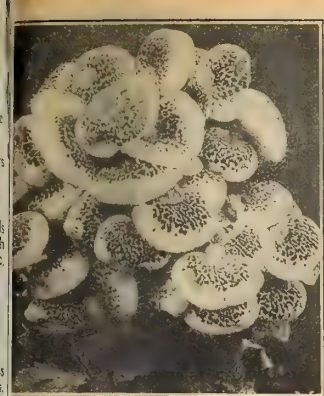
COLLECTION. One each of Viola plants above, value \$3.30, for \$2.75.

Yucca (Adam's Needle)

Culture: B, D or E, Page 58

8585 Filamentosa. 5-6 ft. or more. June-July. Broad sword-like evergreen foliage. The flowering stalks are 6 feet high, with large creamy white flowers. It likes loose dry soil and a warm location. Pkt., 15c.

8587 WILD FLOWERS FOR SHADE. A mixture of our native wild flowers which will do well in shaded locations. Some may be annual, some perennial, some easy and some hard to grow, but with patience you should get a wonderful showing. The better your soil is prepared the better will be your stand. Pkt., 25c.



1184 CALCEOLARIA Hybrida Triumph. Pkt., \$1.00.



1716 CINERARIA Cremer's Prize Mixture. Pkt., 50c.



2560 GLOXINIA Vaughan's International Mixture. Pkt., 25c.



4477 PRIMULA Malacoides Ericksen's Special Mixture. Pkt., 35c.

House Plants from Seed.

ABUTILON

Culture: D or E, Page 58

- 12 **Giant Flowered Mixed (Flowering Maple).** + 3 to 4 ft. Its ornamental leaves are often variegated and it bears bell-shaped flowers of salmon, buff and pink in late summer. Pkt., 25c.

AGAPANTHUS ÷

Culture: C, B, D or E., Page 58

- 75 **Umbellatus (Blue Lily of the Nile)** 1 ft. Bright blue flowers produced in clusters on long stems. Does well out of doors in all Southern States. House plant in the North. Pkt., 15c.

ANTIRRHINUM Snapdragon ① ÷

For Greenhouse Forcing.

Culture: D or E, Page 58

BRONZE

- 62 **Afterglow.** Golden bronze. Pkt., 50c.
81 **Early Glorious.** Deep bronze shaded scarlet. Pkt., 50c.
99C **Sunlight.** Finest early golden bronze. Pkt., 50c.
00 **Suntan.** Rose shade of tan yellow lip. Pkt., 50c.

LAVENDER

- 67 **Bertha Baur.** Standard lavender. Pkt., 50c.

ROSE AND PINK SHADES

- 75 **Cheviot Maid Supreme.** Deep rose pink. Pkt., 50c.
78A **Daybreak.** Briarcliff shade of pink. Pkt., 50c.
95C **Marie Louise.** Beautiful shell pink. Pkt., 50c.
99 **Peggy Schumann.** Pink, a large close flowering. Pkt., 50c.
08A **Rose Queen.** Dark pink. Pkt., 50c.

WHITE

- 95 **Lucky Strike.** Early flowering white. Pkt., 50c.
94A **Koester's White.** Pure white. Pkt., 50c.

YELLOW

- 74 **Ceylon Court.** Dark canary yellow. Pkt., 50c.
09A **Cheviot Maid Yellow.** Pkt., 50c.
80 **Ethel.** Bright yellow. Pkt., 50c.
126 **VAUGHAN'S MIXTURE OF GREENHOUSE VARIETIES.** A mixture of the forcing varieties we list. Pkt., 50c.

ASPARAGUS ÷

Culture: C. Pot up in fall, force in greenhouse. Page 58

- 180 **Plumosus Nanus.** + 3 ft. Pkt., 25 seeds, 30c.
185 **Sprengeri.** + Finest material for hanging baskets. Pkt., 25 seeds, 30c.

CALCEOLARIA +

Culture: C. Pot up in fall, force in greenhouse. Page 58

- 1179 **Hybrida Multiflora Nana, Mixed.** The average size of the blooms is only 1½ inches, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pkt., \$1.00.

- 1184 **Hybrida Grandiflora Triumph Strain.** A truly outstanding strain. Bright shades of yellow, orange, red and rose; the flowers are large and mostly tigered or spotted. This strain produces bushy, shapely plants with clean foliage. Pkt., \$1.00.

CINERARIA Hybrid +

Culture: C. Pot up in fall, force in cool greenhouse. Page 58

- 1715 **Vaughan's Columbian Mixture.** A mixture of the finest strains; the flowers from 7 to 9 inches in circumference, brilliant colors. Pkt. (75 seeds), 25c.
1716 **Cremer's Prize Mixture.** The petals in most of the blooms of this strain are wide, numerous and overlap well to form attractive heads. The plants can be finished in smaller pots, too, making shapely specimens covered with masses of blooms. Pkt., 50c.
1726 **Multiflora Nana Gold Center.** The golden yellow stamens make a wonderful contrast with the blues, reds and pinks of the flowers. Pkt., 50c.
1718 **Potsdam Strain, Mixed** (Berlin Market or Weissensee). Taller and larger flowered than Cremer's Prize mixture. Pkt., 50c.

CYCLAMEN Persicum Giganteum +

Culture: C. Pot up in fall, force in greenhouse. Page 58

- 2010 **Mixed.** Large, colorful fragrant blooms on strong erect stems, well above the ornamental foliage. It takes nearly 18 months to produce blooming plants from seed. 10 seeds, 25c; 25 seeds, 60c

DRACAENA Indivisa □ +

Culture: D, E or C (Jan.-July), Page 58

- 2350 **Ornamental leaved plants;** long, narrow, green-leaved foliage. 2 ft. Pkt., 10c.

FREESIA □ ÷

Culture: D, E or C, Page 58

- 2455 **Rainbow Hybrids:** A mixture of colored varieties. Pkt., 25c.
2454 **Golden Daffodil.** Color clear light yellow with orange blotch. Large flowers on strong stiff stems. Pkt., 25c.

FUCHSIA (Ladies' Eardrop) ÷

Culture D or E (Feb.-April), Page 58

- 2460 **Double and Single Mixed.** + 1 to 4 ft. Well-known greenhouse plant, blooms from seed first year, if planted early. Pkt. (20 seeds), 25c.

GERANIUM ÷

Culture: D or E, Page 58

These grow readily from seed the first year and produce blooming plants the first summer.

- 2490 **Large Flowering. Newest Varieties Mixed.** Pkt. (50 seeds), 25c.
2491 **Flowerland Strain—See Novelties.** Pkt., 35c.

2846 **House Plants Mixed.** A mixture of the following: Begonia, Calceolaria, Cineraria, Cyclamen, Primula Malacoides and Obconica mixed. Pkt., 50c.

Winsted, Conn., Feb. 10, 1945.

"Last year our flowers were a great success. I was particularly pleased with the Surprise Garden Mixture, it certainly was a surprise. I never saw so many flowers for so little money." Mrs. E. W.

GREVILLEA ÷

Culture: D or E (Jan.-April), Page 58

- 2675 **Robusta (Silk Oak).** + 1 to 5 ft. Grows rapidly from seed, and is pretty in all stages of growth, with its long, drooping, silky foliage. Pkt., 15c.

GLOXINIA +

Culture: D or E, Page 58

- 2560 **Vaughan's International Mixture.** Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. 12 in. Pkt., 25c

- 3038 **LISIANTHUS Russellianus (Eustoma).** An excellent pot plant with rich violet blue flowers with black center and yellow stamens. Sow in heat in Spring, keep fairly moist during Summer. Blooms in four months from seed. Upright and compact free flowering habit. 1½ ft. Pkt., 25c.

MARIGOLD □

Culture: D or E, Page 58

- 3122 **Lieb's Winter Flowering.** Mahogany brown with golden yellow crested center. Pkt., 25c.
3145 **French Tall Double Winter Harmony.** Golden orange center, reddish brown guard petals. This is an entirely new type for winter flowering in the greenhouse. Very uniform growth, long stems, 2½ inch flowers, and comes 100% double and true to type. Pkt., 25c.

PANSY □

Culture: A, B or C, Page 58

- 3841 **Vaughan's Long Stemmed Winter Flowering Re-selected Mixed.** It has a much wider color range than the original Winter Flowering strain and has an excellent stem length, averaging better than 10 in. The bloom size is from 2½ to 3 in. and the flowers are of very good substance. Sow in summer for Midwinter blooming. Pkt., 50c.

PRIMULA ÷

Culture: D, C or E, Page 58 ÷

- 4465 **Chinese Vaughan's International Mixture.** Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. Pkt. (100 seeds), 35c.

Primula—Various Sorts

Culture: C (May-July). Pot up July-Sept., Page 58

New Giant Malacoides

- 4469 **Snow Flake.** Has flowers of the purest shimmering snow white one can imagine. 200 seeds, 35c.
4470 **Mixture.** Contains a good many varieties still in the developmental stage. Pkt., 200 seeds, 35c.
4477 **Erickson's Special Mixture.** (Riverside Strain). This is the newest strain, flowers are larger, stems are heavier; foliage is stiffer, more upright and heavier. Flowers have more substance and last longer. Pkt., (50 seeds), 35c.

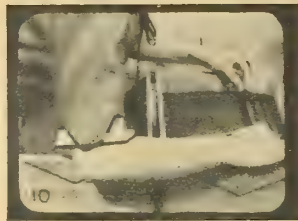
Primula Obconica Grandiflora

Culture: D or E (Jan.-April); C (May-July). Winter in greenhouse. Germination 3-4 weeks. Page 58

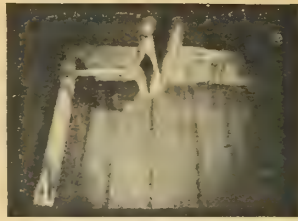
- 4487 **Fasbender Red.** Large rich deep red. Pkt. (200 seeds), 50c.
4496 **Gigantea Wyaston Wonder.** The huge heads of bright crimson flowers are carried on strong stems well above the foliage. In spite of the vigorous growth, Wyaston Wonder makes a compact and tidy plant. Pkt., 50c.
4495 **Obconica Grandiflora Mixed.** Good mixture. Pkt. (200 seeds), 25c.



FIRMING THE SOIL



MARKING THE ROWS



SOWING THE SEED



COVERING THE SEED

SOWING SEEDS IN THE INDOOR BOX

FLOWER SEED CULTURES—HOW TO SOW

IN FIVE paragraphs below, designated A, B, C, D and E, we cover in considerable detail the methods of starting flower seeds which are available to the amateur without a greenhouse, and which cover well the needs of an outdoor garden. In the flower seed section in the case of each flower listed, information is given as to the cultural methods which can be used for that subject.

A Sow in the bed, border or row where the plants are to grow. The soil should be loamy, with well pulverized surface. With heavy soil inclined to cake and crack, it is usually best to grow plants in a seed bed (B) and transplant to the permanent place. Loosen the soil where seeds are to be sown, with the trowel, or hoe, several inches deep. Rake smooth. Broadcast small seeds and cover them lightly four or five times their diameter. Very small seeds may be merely pressed in. Larger seeds may be planted singly, well covered, but more thickly than plants are wanted. Firm the soil well over the seed. Watering now becomes of great importance. At no time should the soil be allowed to become hard and dry, yet excessive watering may cause the seeds to rot, sour the soil, or cause "damping off." When the plants appear, thin them out, allowing each to grow singly, without crowding. The distance between them is governed by their ultimate size and spread. Excess plants may usually be moved to a new location.

B Sow in outdoor seed bed, to be transplanted. The seed bed in the open should be of loose, mellow loam, raised slightly above the surrounding surface, and preferably surrounded by a wooden curb, to prevent rain washing across it. It should not be wider than four feet, so it can be worked easily. Shelter from high winds is valuable, but damp and shady corners are not desirable. Full sun is advisable when seedlings are up, while shade when needed, as in mid-summer for perennial seedlings, is best supplied by a lath or cloth canopy, which can be removed in damp and cloudy weather. Sow the seeds in rows which may be as close as five inches. Sowing and watering are the same as described in "A" above. Seedlings may be transplanted when they make true leaves, the second pair of leaves to appear; or they may be left until larger before being moved to their permanent location. Perennials should be moved from the seed bed to a nursery row, to grow until fall before being moved to the border.

C Sow in flat, pot or pan outdoors or in a cold frame. This method is applicable to slow germinating subjects, some of which may take a year to germinate. Fill the receptacle with potting soil as described in "D," firm the soil and broadcast the seed, covering four or five times their diameter. Place the receptacle in a shaded location, where there is free air circulation. During the spring, summer and fall, water often enough to prevent soil from drying out.

While our cultural instructions are definite, detailed and exceptionally thorough, they should be supplemented by reading in good gardening books and by obtaining, at first hand, advice from successful gardeners in your neighborhood. Success in gardening requires study, and the opportunity for enlarging one's information and trying out new things is one of the most fascinating features of gardening.

A mulch of peat moss will help retain moisture. In winter, place in a protected place outdoors and cover with leaves. Have patience with slow germinating subjects; do not disturb too quickly. Any live seed will eventually grow if given time enough, provided soil, moisture supply, etc., are right. When seedlings appear and make true leaves, transplant to pots, nursery row or permanent location. If moss forms on soil surface, sprinkle fresh earth over top.

D Sow indoors in a box, pot or pan. This method may be followed where there is a window facing south, enjoying sunlight most of the day. Use a standard florists' pot or pan (shallow pot) or a "flat," which is a shallow box, with holes bored in the bottom for drainage. Cover the drainage holes in pot or box with broken pottery; fill with potting soil. This is a mixture of half sand and half black loam. It may be obtained from florists. Firm the soil, and sow the seeds in rows, marking each row to identify the sowing. Water by setting the box or pot in water, so that it soaks up from below, or use a fine spray which does not wash the soil. Place in a dark place, covered with a wet newspaper blanket until the seeds sprout. As soon as sprouts appear bring into full light. Cover the box or pot with glass to check evaporation, but when moisture collects on glass wipe it off, and prop up one end of the glass to allow air to circulate during the sunny part of the day. A temperature not below 50 degrees at night, or 75 degrees by day, is best. Do not allow the soil to dry out. When the seedlings have made true leaves (the second set), they should be transplanted to other flats, giving at least two inches of space apart, or they may be moved to small pots or to an outdoor seed bed or border.

E Sow in a hotbed or cold frame. A cold frame or a hotbed heated by manure or other means may be used. The best method with flower seeds is to sow seeds in flats, which are placed in the frame. With manure heated beds, seeds should not be sown until the temperature of the newly made bed has dropped to 90 degrees. Watering and ventilation are important. On sunny spring days, always prop up one end of the sash to prevent overheating, which may occur quickly and cause spindly growth. Do not allow the soil to dry out. When the seedlings have made true leaves, they should be transplanted to other flats, spaced two inches apart each way; or to the soil in the hotbed, or to an outdoor location, if late enough.

COMMERCIAL FLOWER FORCING. By Laurie and Kiplinger. Covers fundamentals involved in growing various flower crops for commercial purposes. The treatments recommended follow the routine practice of the better growers, supplemented by a vast volume of experimental work done under the experienced supervision of the authors. 94 illustrations. 598 pages. \$4.50.

FRUITS FOR THE HOME GARDEN. By U. P. Hedrick. Fruits for the Home Garden is addressed primarily to the gardener who is faced for the first time with the problem of planting a fruit garden, but there is a wealth of pertinent and practical information for even the most experienced. Whether one's garden is in the North, South, East or West, the book is equally practical. The exact soil and climate requirements are specified for each kind of fruit. Every step in the raising of fruit, from planning the garden to the care of the matured fruit, is covered. Illustrated. 171 pages. \$3.00.

GARDEN FLOWERS IN COLORS. By Daniel J. Foley. The 400 brilliant and lifelike color plates of flowers contained in this book make it the greatest value that has ever appeared in picture books. Valuable as a means of identifying garden flowers. 320 pages. \$2.49.

GARDEN GUIDE. Amateur Gardeners' Handbook. Deals thoroughly with most effective handling of every growing thing in the garden and home grounds. 300 photographic illustrations. 559 pages. \$2.00.

GARDENING BOOKS

All Books on This Page Postpaid

FIVE ACRES AND INDEPENDENCE. By M. G. Kains, B.S., M.A. A practical guide to the selection and management of the small farm. The author's detailed advice and explanation on every topic treated leaves little chance for even unskilled persons to go wrong in farming operations. Contains 77 illustrations and diagrams. 401 pages. \$2.50.

PERENNIALS, THE BOOK OF. By Alfred C. Hottes. Contents: The Perennial Garden; The Perennial Border; Garden Operations; Insects and Diseases; Propagation; For Shady Places; The Lists of Twenty-fives; Noteworthy Perennials; Hardy Ferns; Ornamental Grasses; Herb Index of Plant Names; Tabular Cultural Index. Over 100 illustrations. 272 pages. Cloth. \$2.00.

PEST CONTROL IN THE HOME GARDEN. By Louis Pyenson. This indispensable manual is illustrated with 111 photographs and line drawings. The photographs identifying both foes and friends are made from Kodachrome slides taken by the author. 190 pages at \$2.00.

10,000 GARDEN QUESTIONS, Edited by F. F. Rockwell, Answered by 15 Experts. Real questions from real amateurs, with brief authoritative answers. Among them you will find the solutions to your problems... Helpful diagrams and illustrations supplement the text... A quick-action index places all the information at your finger tips. 1467 pages at \$3.95.

PROPAGATION OF PLANTS. By Kains and McQuesten. A complete guide for professional and amateur growers of plants by seeds, layers, grafting and budding, with chapters on nursery and greenhouse management. In direct, simple language it discusses all phases of the subject—explains technical and scientific terms and tells clearly the how and the why of all processes. 639 pages. \$3.50.

HOW TO LANDSCAPE YOUR GROUNDS. By Loyal R. Johnson. For the benefit of the hundreds of thousands of home builders and owners in the medium income bracket who are anxious to beautify their home surroundings to the best advantage at small expense. Not to be found in any other landscape book are its planting plans covering practically every section of the country—from Massachusetts to Florida and Louisiana, and from the Middle West to California—together with its extensive Select Lists of Shrubs, Trees and Vines. A complete guide to the planning, construction and planting of the garden and grounds. 232 pages. 147 illustrations. \$2.75.

HOW TO GROW ROSES. By J. H. McFarlane and Robert Pyle. A new edition of the best known book on practical rose-growing. It gives advice on how to use roses in the garden and around the home, how to bud them, locate the beds, prepare the ground, plant, label, care for in summer, fight pests, protect in winter, prune and select types and varieties. 72 illustrations (40 in color); 192 pages; 5½ x 8 inches. \$2.00.

Quality Perfumes

ALL AMERICAN

DURING the years of war scarcity, thousands of women who had used imported perfumes turned to Vaughan's True Floral fragrances and found them fully equal to the finest imported sorts in quality.

Even during this trying period we maintained our policy of aging all perfumes at least two years and all our perfumes and colognes were and are made with the traditional cologne spirits—we do not use isopropyl alcohol or other substitutes.

The quality of Vaughan's Natural Floral Perfumes is attested by the many women of prominence in society, on the stage, and radio, who regularly purchase our perfumes and colognes for their own use and for gifts to their friends. They have found in these perfumes a recreation of the fragrances they prefer, truer than was provided by the best imported perfumes.

We invite women of taste and discrimination to compare them directly with their favorite imports regardless of brand, price or name. Examine them critically. Then apply this final test—compare them with the freshly opened flower for which they are named—there can be no more difficult test than this.

To those who have used our floral fragrances, we recommend a trial of these fine French type bouquets—Bouquet S, Bouquet X, Hawaiian Lei, Zanzibar, Calcutta, Song of the Heart and Victoria Regina.



THE FOLLOWING ODORS ARE AVAILABLE IN EITHER COLOGNE OR PERFUME

Cologne is about one-eighth the strength of perfumes (about double the strength of ordinary toilet water).

Appleblossom: Soft, yet fresh and clean.

Bouquet S: A delicately feminine blend of rich floral oils that in France and America is accepted as the leading type of odor in the better shops.

Bouquet X: Another blend, slightly "drier" and less sweet. An exotic fragrance preferred by women accustomed to the better French perfumes.

Carnation: Many acknowledge it as the best recreation of this beloved old favorite.

PERFUME SAMPLER

1/8 dram each of 10 favorites **\$125**
Postpaid, Tax Included

We have packed ten of our most popular odors so that you can test the high quality of Vaughan's True Floral Perfumes. As these are pre-packed to reduce cost, we cannot make changes in the assortment. Each vial contains 1/8 dram, enough for several applications.

COLOGNE SAMPLER

1/2 oz. each of six most popular odors **\$125**
Postpaid, Tax Included

Because of the enormous popularity of our perfume sampler, we have added a similar sampler of Colognes—1/2 oz. each of our six most popular odors, attractively boxed. Attractive as a gift (larger containers than Perfume sampler make it more impressive). Particularly suitable for 'teen agers as well as for the mature woman of taste.

PRICES

Size	Perfume	Size	Cologne
1 dram	....\$0.78	1 oz.	...\$0.60
2 drams	.... 1.50	4 oz.	... 1.50
1/2 oz.	.... 2.70	1/2 pint	... 2.82
1 oz.	.... 4.80	1 pint	... 5.40

These prices are prepaid. Do not add Federal Excise tax: Above prices include the tax.

Forest Breeze: A smoky, piney fragrance—the scent of a pine forest on an autumn day.

Freesia: the most accurate reproduction available of this elusive fragrance.

Gardenia: Not sweet like so many "Gardenia" perfumes—a rich, intense odor.

Geranium: Like a crushed leaf of the green plant.

Hawaiian Lei: A lovely blend of exotic tropical flowers.

Heather: A rich "smoky" or "peaty" fragrance that goes well with sport clothes.

Hyacinth: the heady richness of this old favorite has been recreated exactly.

Lavender: The well-known English type, not sweet or "musky" like so many near-lavenders.

Lilac: This outstanding fragrance is again available: Like lilacs wet with morning dew.

Lily of the Valley: At last, a satisfactory reproduction of this elusive scent.

Parma Violet: The full richness of this famous old time luxury perfume.

Red Rose: The Damask Rose type.

Sweet Pea: The true fragrance of the original Spencer sweet pea.

Violet: The English violet, softer than the Parma type.

White Rose: This beloved fragrance is once more available.

Wild Rose: Like the breeze through a Sweet Briar hedge in June.

Zanzibar: Like a clipper ship laden with rare Oriental woods and the spices of the Indies.

"Personalized Perfumes"

Cost of Perfume Federal Tax Included
Dram.....\$1.80 Ounce.....\$12.00

We take pleasure in offering this group of highly individual, specially blended odors, which while not exactly matching the perfume of particular flowers, do express the enchanting fragrance of gardens and woodlands.

Calcutta: The oil from which this perfume was made was intended originally for introduction at \$75.00 an ounce.

The fragrance is that of the rich, opulent bouquets for which the French are famous, yet it is so dry and woody that it is not cloying. Outstanding.

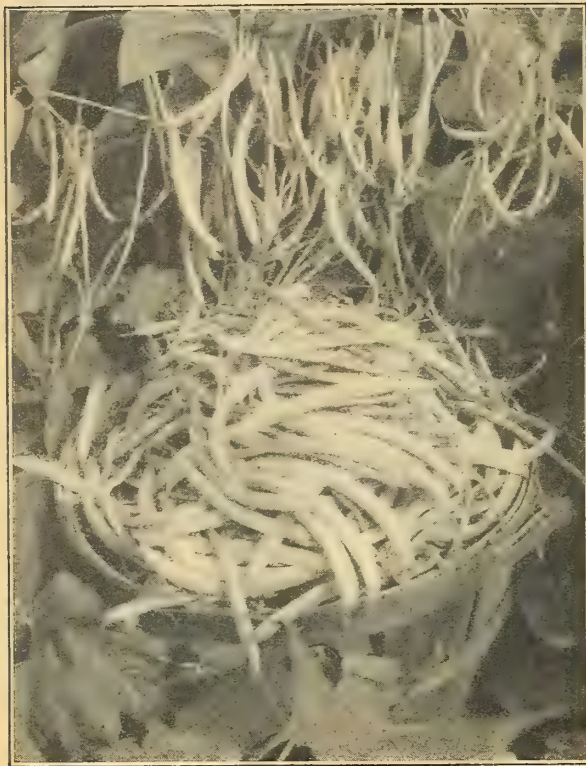
Victoria Regina: Based on the formula for the consecrated oil used in anointing Queen Victoria at her coronation. Rich and fragrant. Not for the ingenue.

Song of the Heart: Created as the personal perfume of the wife of one of America's leading perfumers, this is perhaps the most distinctive bouquet offered today.

While it is extraordinarily rich, at the same time it is so dry and woody that there is no feeling of cloying heaviness. It has had unusual acceptance from women of taste and discrimination. We recommend it without reservation.

BEANS

Green Pod Bush, Edible Soy



BEAN Plentiful. Pkt., 10c.



BEAN Tendergreen. Pkt., 15c.

Artichokes

Artichoke Green Globe. Grown for its edible blossoms. It is a perennial but will not stand hard freezing and requires renewing every two or three years. It has edible blossoms which mature the second year after planting. Pkt., 25c; ½ oz., 75c; oz., \$1.50.

Jerusalem Artichoke Roots. About five bushels plant an acre, enough to keep 20 to 30 hogs from Oct. to April. Cut and plant like potatoes. In Europe the tubers are baked, like potatoes, and esteemed as food because of their distinctive flavor. Tubers can be supplied in March and April. 10 lbs., \$1.25; bu. (50 lbs.), \$6.25. By express, collect. Write for quantity prices.

Asparagus

ASPARAGUS from the home garden is one of the most delicious and earliest of crops. It may be grown in any deep, rich soil, either from seed or roots.

SEED PLANTING — Asparagus may be raised from seed and a crop obtained in three years. One ounce of seed will produce 300 plants.

ROOT PLANTING — A year may be saved by buying the plants and setting them two feet apart in the row, and the rows four feet apart.

WASHINGTON RUST-RESISTANT STRAIN. Developed by the experts of the United States Department of Agriculture, who originated this strain. Rust-proof plants are preferred by commercial growers. The most satisfactory strain is MARY WASHINGTON.

Mary Washington. Pkt., 10c; oz., 35c; ¼ lb., 85c.
Paradise. Pkt., 15c; oz., 65c; ¼ lb., \$1.75.

ASPARAGUS ROOTS

2-Year Old Doz. 100, 1000*

Mary Washington \$0.75 \$3.00 \$28.00
If by mail, add postage as follows..... 100, 50c.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include pre-payment on lots up to and including 2 pounds. For postage charges on larger lots, see Page 120.



PLANT AND FIELD OF EDIBLE SOY BEAN

Edible Soy Beans

We offer four strains of edible Soy Beans. Soy Beans have proteins, 36.5%; fats, 17.5%; compared with Navy Beans' proteins, 22.7%; fats, 1.5%. They are esteemed highly as a food for diabetics. University of Illinois, Urbana, Ill., will supply on request "Ways of Using Soy Beans as Food."

Bansei. 90 days. 18 to 24 in. tall, the earliest and best in Northern districts. Pods 2 ½ x ½ x ¾, pale green turning to pale greenish yellow.

Mendota. 95 days. Resembles Bansei in height of plants. Beans larger, very prolific.

Willomi. 95 days. Plant 3 ft. tall.

Jogun. 98 days. Plant 30 in. tall, otherwise similar to Bansei. One of the most productive.

Above Soys. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 50c.

QUALITY in Beans is measured by stringlessness by tenderness, or the absence of fiber or "line" in the pod; by ability to produce well; a long straight pod being preferred. After the harvest of Beans are hand-picked. The improvement in your crop far outweighs the increased cost.

One week before frost proof date sow bush bean 2 inches deep, 2-4 inches apart, pole beans, 4-inches apart. Harvest pods before seeds form. If picked clean, plants will bear until frost; but young plants yield best and succession planting are advised.

***Tendergreen.** 52 days. Good sized bush bean, long long round pods of excellent color. 6 in. long, ¾ in. through. Good green color, straight, stringless. Seed: mottled buff and purple. Does best in black loam soil. Pkt., 15c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

Longgreen. 52 days. All America Honorable mention, 1946. A longer Tendergreen; see novelty pages. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 95c.

***Streamliner.** 55 days. This is among the most productive of the bush types. large bush of upright growth, bearing an extra heavy crop of long, straight semi-flat pods, 7 in. long, ½ to ¾ in. wide and fleshy. For home use it will continue bearing when others have ceased. The quality is excellent; stringless, nearly fiberless; fleshy, round to flat, straight. Seed clear white kidney shape, excellent as dry bean. Does well in medium heavy soil. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

***Plentiful.** 55 days. Large bush, bearing dark green pods that have a waxy or varnished shade which is not desirable for canning. Pods 6 ½ in. long, ½ in. wide. Tender, free from fiber, fleshy, straight, stringless, said to be resistant to common rusts. Does best in medium heavy soil. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

***Bountiful.** 49 days. One of the foremost Market Garden types. A sturdy bush, bearing long flat pods, 6 ½ in. long, ½ in. wide; stringless, straight, medium light green, some fiber but an excellent shipper. One of the fastest picking beans; good flavor. Seed: solid straw color or brownish yellow. Does well in any soil. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Giant Stringless Green Pod. 53 days. Very similar to Landreth's Stringless, but pods a little more curved and more fleshy with more indentation between the beans. Pods 6 in. long, ¾ in. diameter. Stringless, tender, good flavor, a good canner and home garden sort. Seed: oval and yellowish brown. Does best in heavy soil. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Black Valentine Stringless. 52 days. Medium size bush bearing quantity of long fleshy pods, 6 in. long, ¾ in. wide and from oval to flat, with good green color. Stringless and of good quality, excellent shipper. Seed: black, oval. Does best in heavy soil. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Red Valentine Stringless. 53 days. Medium size bush, bearing fair crop of round pods 4 ½ in. long, ¾ in. diameter, creased back, fleshy, brittle, fine grained used principally in the south. Seed purplish red splashed with buff. Does best in heavy soil, cold resister. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Wonderful. 53 days. The vigorous bush type, resembling Tendergreen in color, having dark foliage, pods averaging 1 inch longer than Bountiful flat, stringless until mature, slightly curved, excellent quality. This bean was produced by crossing Bountiful and Streamliner. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

Stringless Green Pod (Landreth's). 50 days. Medium size bush, productive, bearing long, round pods of good color. Pods 5 ½ in. long, ¾ in. diameter. Stringless, fleshy, nearly straight. Good quality. Seed coffee brown. Does best in heavy clay soil. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Florida Belle. 60 days. All America Bronze medal, 1945. Predisposed especially for resistance to disease in high temperatures and humidity. Produces flat pods longer than Bountiful, entirely stringless and free from fiber. It matures crop evenly over short period. Good for home gardens in the south, or for midsummer sowing in north. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 95c.

NAVY BEANS

Great Northern. 90 days. Hardier and heavier vine than the Navy, having a longer pod and larger beans. Seed a little longer than round, and clear white in color. Pkt., 10c; lb., 30c; 2 lbs., 50c.

Michilite. 90 days. This has the resistance of the Improved Navy. It should be preferred to either of the others. Pkt., 10c; lb., 30c; 2 lbs., 50c.

Wax Pod Bush Beans

LIMAS

Golden Bountiful Wax. 53 days. Plant very productive. Pods 6-6½ in. long, ¾ in. wide. Flat, thick stringless, small amount of fiber, good texture, quality and color. Seeds purplish black, kidney shaped and trifle flattened. Does best in sand loam. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., \$1.10.

Gold Standard Wax (Davis Stringless). 52 days. Plant medium large and fairly productive. Pods 6 in. long, ½ in. wide; thick, flat, stringless, straight, some fiber. Well drained soil of any kind is suitable. Good color, and quite hardy. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., \$1.10.

New Kidney Wax. bush and productive. Pods clear yellow waxy color. Pods 6 in. long, ½ in. broad; flat, stringless, fleshy, free of fiber. An excellent table variety or canner. Does best in medium heavy soil. Pkt., 10c; ½ lb., 30c; lb., 50c; 2 lbs., 90c.

Pencil Pod Wax. 52 days. Plant large, strong and bears an abundance of pods over a long period making it excellent for home garden use. Pods 6 in. long, ¼ in. broad. Nearly-round, stringless, nearly straight, fleshy, free from fiber and excellent quality. Seed oblong, slightly flattened. Does best in black loam soil. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., \$1.10.

Round Pod Kidney Wax. 55 days. (Brittle Wax.) Very desirable for both home garden and canning trade. Plant medium large, erect, vigorous and productive. Pods waxy light yellow, 5½ in. long, ¾ in. thick. Round, fleshy, brittle, stringless and without fiber. Seed white; blackish eye, kidney shape. Does best in medium heavy soil. Pkt., 10c; ½ lb., 30c; lb., 50c; 2 lbs., 90c.

Pop Notch Golden Wax. 52 days. A superior type to the old Improved Golden Wax. Very productive and compact plant. Creamy yellow pods that are straight, oval, stringless and brittle. 5 in. long, ½ in. wide. Seed solid white with brown eye. Decidedly the most prolific of the Golden Wax types. Does best in sand loam. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c.

Unrivalled Wax. 52 days. Medium size bush of upright growth bearing profusely of rich waxy, yellow pods, 5 in. long, ¾ in. wide; flat and fleshy, brittle, stringless in early stage. Seed small; long, round, yellowish brown. Does best in medium light soil. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c.

Pole Beans

Pole varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning to the four strongest. A packet plants 15 hills; 1 lb., 100 hills.

Potomac. 65 days. This one retains the strong, heavy-yielding growth of Kentucky Wonder while producing stringless, almost round pods, straight and slender, nearly seven inches long. Pkt., 10c; ½ lb., 35c; lb., 66c; 2 lbs., \$1.10.

Kentucky Wonder or Old Homestead. Ready in about 65 days. Green pod. The most widely planted pole variety. The pods are fleshy, 7 to 10 inches long and stringless when young. Kept picked, they bear all season. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Kentucky Wonder Wax. In 65 days. The best pole wax bean for northern planting. Pods are golden fleshy, delicious. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

Early Golden Cluster Wax. About 65 days. Long, stringless; pods in clusters; pure white seeds. Pkt., 10c; ½ lb., 30c; lb., 50c; 2 lbs., 90c.

White Kentucky or Burger's Stringless Greenpod. About 63 days. (White seeded Kentucky Wonder.) Bears until frost. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

White Creaseback. In 65 days. Early long, round, green, stringless, tender. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

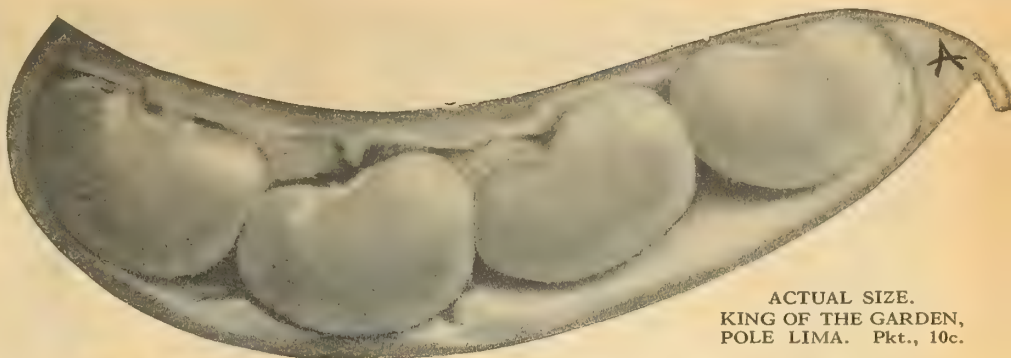
Cut Short or Corn Hill. About 65 days. Much used in the south for planting among the corn. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Lazy Wife. In 72 days. Good shell beans; long, stringless pods. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Horticultural Cranberry. In about 70 days. For cool climate; early; flat green pods, spotted seeds. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Carlet Runner. In 65 days. Ornamental flowers. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Hard Long. 65 days. It produces a long, round edible pod. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c.



ACTUAL SIZE.
KING OF THE GARDEN,
POLE LIMA. Pkt., 10c.



GOLDEN BOUNTIFUL WAX. Pkt., 10c.

SHELL BEANS

Dwarf Horticultural (Speckled Cranberry) (Dwarf Cherry). Plant medium size, fairly productive 60 days for green shell and 90 days for ripe shell. Pods dark green becoming yellow splashed with carmine. Pods 5 in. long, ¾ in. wide. Nearly round at green stage, stringless but having fiber. Seeds full oval, pinkish buff splashed and streaked with purplish red. Pkts., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

English Broad Windsor. 80 to 90 days. Stalk tall slender, erect, pods green hairy, 5 to 6 in. long containing 4 to 6 beans. Green shell beans large flat, light green. Dry seed large circular, flat, reddish brown with black eye. Will stand freezing and should be planted early in the north. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

Red Kidney. 95 days. Plant is large, vigorous. Pods 5 in. long, ½ in. broad. Dark green, oval, flat, stringy, tough. Seed dark reddish brown. Pkt., 10c; lb., 35c; 2 lbs., 65c.

White Kidney. 100 days. For dry shell use only. Plant is large, hardy, productive. Pods 5½ in. long, ½ in. wide. Seed long, white, kidney shape. Kidney types as well as field types do well on any medium heavy soil. Pkt., 10c; lb., 35c; 2 lbs., 65c.

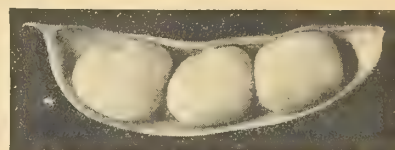
White Marrow. 100 days. Plant large with semi-runners, hardy. Pods 5 in. long, ½ in. diameter. Seed white, oval, short. Lb., 35c; 2 lbs., 65c.

Inoculate Bean Seed.

To stimulate growth, use culture of nitrogen secreting bacteria. Garden size, sufficient for 5 lbs. of seed of peas, beans, lima beans and sweet peas, 10c.

For Soy Beans, special culture, sufficient for 120 pounds, 30c; for 5 bushels, 55c; for 25 bushels, \$2.50.

★—Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.



BABY FORDHOOK. Pkt., 10c.

Luxury Limas

LIMAS should be planted with the eye down. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space but the Pole Limas yield better.

One week after frost proof date sow seeds 2 inches deep, and thin plants of small seeded bush and all pole varieties to 5 and 6 inches apart, all large seeded bush to stand 1 foot apart. Plants kept picked clean will bear until frost.

BUSH

★Fordhook Bush. 78 days. The highest quality Bush variety, it grows erect, and its large pods contain 4 to 5 large, thick green Beans. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

★USDA 2 Henderson. About 60 days. A prolific yielder of small Beans, thriving in ordinary soil. Earlier than standard Henderson and recommended to replace it. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Baby Fordhook. 72 days. It resembles Fordhook Bush, but with darker foliage, more productive and averaging more Beans to the pod. Good flavor and excellent for canning or freezing. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

Burpee's Improved Bush. About 76 days. This has larger pods and Beans than the original. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

Cangreen. A new green seeded small bush lima of Henderson type. A stronger grower, more prolific, with slightly larger seeds. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c.

Fordhook 242. 75 days. Selected to give heavier yield in hot weather. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 95c.

Early Market. See Novelty Page. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 95c.

POLE

Packet plants 15 hills; lb., 100 hills.

★King of the Garden. 85 days. A large podded, vigorous, immensely productive variety. The numerous pods, 5 to 7 inches long, are well filled with 5 to 6 large Beans of excellent quality. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

★Succulence. 75 days. Earliest of pole limas. Bears beans slightly larger than Henderson's Bush. It is an exceptional producer and can be grown on a pole or allowed to run on the ground. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Early Leviathan. In about 83 days. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

Carolina Sieva. 77 days. Hardy, tall pole type, resembling Henderson Bush in other respects. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

BEETS

Eat Young Roots and Top



Right to Left, BEETS PERFECTED DETROIT, DETROIT DARK RED SELECT, GREEN TOP BUNCHING, CROSBY'S EGYPTIAN, EARLY WONDER, EARLY BLOOD TURNIP, EARLY FLAT EGYPTIAN.

QUANTITY in Beets is measured by an even, globular shape, uniformity in size, bright, even color, flavor, fine texture and tenderness. Here, as with all vegetables, the difference between a fine and a mediocre strain of one variety may be as great as between different varieties.

Our best seed is grown only from transplanted roots, which are taken up in the fall, carefully graded, stored over the winter and transplanted again in the spring. Only Beets which conform to the highest quality standards are planted for seed. Thus improvement is shown annually.

All beets keep well in winter when properly stored. A special sowing should be made in midsummer to produce the storage crop.

As soon as soil can be worked in the spring, sow one seed to the inch, in drill half-inch deep. Firm soil well over seed and water well if required. Thin when roots begin to make globes, to stand 4 inches apart in row. Cook discards with their tops.

Quantity needed to sow: 15 ft. row, 1 pkt.; 60 ft. row, 1 oz.; acre, 7 lbs. (Rows 18 in. apart).

★ Perfected Detroit. *Matures in about 55 days.* In this improved strain of Detroit Dark Red Turnip Beet the fine qualities which have made that variety standard for main crop sowing have been strengthened by careful breeding. It is earlier, and almost spherical in shape. Its small tops are just right for either dry or wet season, heavy or light soil. The color inside and out is a very dark red, and flesh of fine texture, tender and of excellent flavor. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

★ Detroit Dark Red Turnip. *Matures in about 55 days.* A main crop variety unequaled as a heavy yielder, and having the qualities which are valued for shipping and canning, as well as for the home and market gardens. Tops are uniform, small and erect. Roots are globe shaped, and very dark red; inside and out, with inconspicuous zoning. It is sweet, and remains tender until maturity. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

★ Crosby's Egyptian. *Matures in about 50 days.* This early variety has long been a home garden favorite; and our strain has maintained and improved its excellent qualities. It is exceptionally tender and sweet, of a deep red with some light zoning, and fine texture. Tops are of medium size, and the roots of a flattened globe shape, excelling in table quality.

Vaughan's Selected Stock. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

Standard Stock. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

Tendersweet. 50 days. Deep red throughout, with almost no zoning, globe shape with tender flesh. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.00.

Early Wonder. *Matures in about 50 days.* This is a selection of Crosby's Egyptian more nearly globe shaped, and a darker red. The tops are small, making it a fine variety for bunching. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

Good for All. *Matures in about 50 days.* bred to produce uniform roots which can be harvested when 1¼-1½ inches in diameter, especially for canning and pickling. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.00.

Green Top Bunching. 55 days. An attractive of medium size, erect, of a greyish green color that does not turn red in the fall. Roots are round, smooth, glossy and slightly flattened when mature. Interior of root is blood red and has less fiber than most bunching beets. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

Edmand's Blood Turnip. 60 days. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

Long Dark Blood. 75 days. Roots long, smooth, dark red, tapering to a point, 7 in. long, remaining tender even in storage. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

Early Blood Turnip. In 55 days. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

Improved Early Egyptian. About 45 days. The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., 95c.

SUGAR BEETS

Klein-Wanzleben. Wedge shape tapering to long tail. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Mangel Wurzel

Mature in 90 to 120 days.

Mangels are an excellent crop for dairy and poultry farms, giving a crop of good feeding value for both cattle and chickens. Sow in May or June, 6 lbs. to the acre, in rows 2 feet apart, and thin to nine inches.

Barres Sludstrup. This Mangel holds the world's record for dry matter content. It is a long, reddish yellow, ovoid root. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Vaughan's Mammoth Long Red. Largest and heaviest cropper of long red sorts. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Brussels Sprouts

Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by touch of frost. For late use sow seed in June.

Improved Dwarf. Pkt., 15c; ½ oz., \$40c; oz., 75c.

Long Island Improved. About 90 days. The most satisfactory Brussels Sprouts for American conditions. Pkt., 15c; ½ oz., 40c; oz., 75c.



BRUSSELS SPROUTS

Cardoon

Main stalks are blanched like Celery; used for salad or in soups. Pkt., 15c; ½ oz., 65c; 1 oz., \$1.25; ¼ lb., \$3.75.

Richest of All in Vitamins

BROCCOLI

GREEN sprouting broccoli has been given new importance by the disclosure that because of its green coloring it is far richer in vitamins than white cauliflower, which it resembles in flavor. It is also a much easier subject for the amateur than cauliflower, and has a much longer season of harvest. It survives light frosts, and produces well in the cool autumn weather.

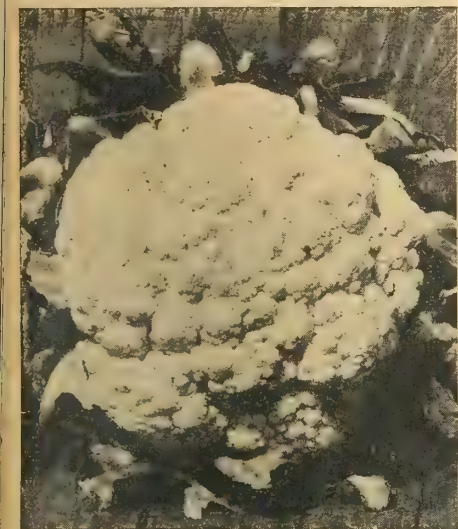
Sow outdoors with earliest crops; transplant or thin to stand 18 inches to 2 feet apart. Protect from aphids and cabbage worms. After center heads are cut, each branch will produce a head, harvest lasting until killing frosts.

★Italian Green Sprouting (Calabrese).

Matures in about 70 days. A selected strain of the most popular type from an Italian specialist who has bred it to a high standard of yield, flavor and tenderness. After its large center heads are harvested, smaller heads 2 inches in diameter form at the ends of lateral branches. It continues to bear for eight to ten weeks. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.



BROCCOLI ITALIAN GREEN SPROUTING. Pkt., 15c.



VAUGHAN'S SELECT SNOWBALL. Pkt., 40c.

Cauliflower

OUR cauliflower seed is grown from stock seed imported from Denmark, where our finest strains of cauliflower were grown. Tests have shown the excellent quality to be maintained in crops grown from the American seed.

Home gardeners will find cauliflower not difficult where conditions are right. When plants are set out in June or early July to mature in October, there is seldom any question of getting fine, large heads.

Quantity needed for 150 plants, 1 pkt.; for 1,500 to 2,000 plants, 1 oz.

★Vaughan's Select Snowball. Matures in about 55 days. Improved strain of our New Snowball, early, dwarf, compact, producing solid white heads which measure 9 to 10 inches across and have a perfectly white core. Its heads are more uniform in size and there are more leaves, for protection in bleaching. The seeds are about one-third smaller. Pkt., 40c; ¼ oz., 85c; ½ oz., \$1.65.

★Vaughan's New Snowball. Matures in about 55 days. A well grown head measures 9 to 10 inches across, with depth in proportion, and a perfectly white core. It is dwarf and compact in growth, and as early as any other. Pkt., 35c; ¼ oz., 75c; ½ oz., \$1.50.

Vaughan's Earliest Dwarf Erfurt. New Like Snowball, but a few days later. Pkt., 35c; ¼ oz., 65c; ½ oz., \$1.25.

Danish Snowball or Dry Weather. Heads larger, snow-white second early. Pkt., 35c; ¼ oz., 65c; ½ oz., \$1.25.

Autumn Giant. Large heading late fall sort. Pkt., 25c; ¼ oz., 50c; ½ oz., \$1.00, oz., \$2.00.



PAOTING. Pkt., 10c. PE TSAI. Pkt., 10c.
Quantity needed for 30 ft., 1 pkt.; 200 ft., 1 oz.

Chinese Cabbage

★Celery Cabbage Pe Tsai. 90 days. From seed sown in late June or early July it produces slender, tight heads 6 x 18 inches, bleached in center with tips of leaves green. Makes delicious salad raw and has delicate cabbage flavor cooked, without odor. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.25.

Celery Cabbage Paoting. Genuine "WONG BOK" type. Will mature firm heads through the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. It is the largest of the Chinese cabbages. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.10.

Valued for Red Cabbage Distinctive Flavor

Haco. 75 days. An early, round head, very hard, 6 inches through, weighing 4 lbs. One of the earliest reds of quality. Pkt., 10c; ½ oz., 45c; oz., 80c.

Mammoth Rock Red. (Long Island strain). In 95 days. The hardiest and largest heading red cabbage. Round, very solid and of a deep red color, often weighing up to 12 pounds each. Pkt., 10c; ½ oz., 35c; oz., 65c.

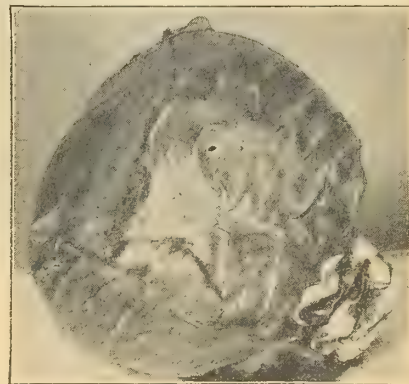
Red Yellows Resistant. About 100 days. Not as large as Mammoth Rock Red, but darker and more uniform color. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Collards

This is a relative of the cabbage which produces green leaves of cabbage flavor, and having a much higher vitamin content. It produces edible leaves in 45 days from sowing, and succession sowings should be made. Though used chiefly in the south, where it is too hot for cabbage, it may be grown in any part of the U. S. A. and is recommended for home gardens as a protective food.

Cabbaging. 75 days. A desirable type producing compact plants 1½ to 2 ft. high. Large loose clusters of leaves which often show a tendency to form a head. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Georgia. 75 days. Plant 2-3 feet tall, erect, spreading, bearing numerous large leaves which are harvested while young and tender. At its best after frost. Pkt., 10c; oz., 20c; ¼ lb., 50c.



MAMMOTH ROCK RED CABBAGE. Pkt., 10c.

Vegetable Garden Book, Prepaid, 30c.

We recommend the "Pocket Book of Vegetable Gardening," by Charles H. Nissley, a book of 245 pages giving all necessary information on vegetable gardening. By mail, 30c, over the counter, 25c.

CABBAGE

Sow Yellows Resistant Strains To Thrive in Hot Summers



YELLOWS RESISTANT CABBAGE BUGNER, Pkt., 25c.

Yellows Resistant Varieties

***Bugner.** 100 days. A winter variety seed stock grown in infected soil near Chicago, which is the most popular variety with market growers. Our own strain has been selected for resistant qualities over many years. Pkt., 25c; ½ oz., \$1.00; oz., \$2.00; ¼ lb., \$6.00.

Wisconsin Ballhead. 100 days. Most highly perfected strain of yellows-resistant cabbage yet introduced. A better keeper, of finer texture and matures earlier than Wisconsin No. 8. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

***Globe.** 75 days. The resistant Glory of Enkhausen is but 3 or 4 days later than Copenhagen, of excellent flavor. You who think that there is no difference in the flavor of cabbage should compare a mature Globe with any other cabbage. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.



JERSEY QUEEN CABBAGE, Yellows Resistant. Pkt., 15c.

Jersey Queen. 60 days. As near a true Jersey Wakefield as is possible to select in type and earliness. Exceptionally resistant to yellows. This is the first of our resistant strains to mature and is recommended to the home gardener where a cabbage for summer salad use is desired. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Marion Market. In 75 days. The third yellows-resistant cabbage to mature. Of an excellent Copenhagen Market type, though later than select Copenhagen, coming a short time before Glory of Enkhausen. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Golden Acre Resistant. 60 days. Grown in Denmark from a selection of Extra Early Golden Acre grown in the Yellows fields in Wisconsin. Pkt., 25c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.50.



CABBAGE SAVOY CHIEFTAIN, Pkt., 20c.

Here's Table Quality in Cabbage

Savoy Chieftain. (Virsing). 88 days. You seldom see it in the markets, but friends who know European cooking will tell you how delicious Savoy cabbage tastes, stuffed with sausage, or cooked in other ways. The flavor is more delicate than white cabbage, and the head not so tight and hard; so it does not keep as well. Pkt., 20c; ½ oz., 45c; oz., 80c; ¼ lb., \$2.40.

Wisconsin All Head Early. In about 80 days. Is the second resistant variety to mature. Will stand for a long time without bursting and is nearly 100% resistant. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

Wisconsin All Seasons. About 90 days. Either a kraut or home variety, but is used more for kraut than any other purposes. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

Wisconsin No. 8. 110 days. A late winter keeper. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Standard Cabbages

***Copenhagen Market Extra Early.** Matures in about 62 days. Earliest of the large heading cabbages, maturing even before the conical types, this select strain is of unique value both to home and market growers. It is the result of many years' selection by our European grower. Reselected, 62 days. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Standard Stock, 68 days. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

STANDARD CABBAGES—Continued

***Golden Acre.** Matures in about 60 days. Resembles Reselected Early Copenhagen Market in most respects, except that its heads are slightly smaller, 4 to 5 lbs. It is of dwarf, compact growth, with few leaves, so that the plants can be set close together, and is exceptionally uniform in size and maturity date. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

***Green Acre.** 60 days. A round headed variety which instead of bleaching in the hot sun holds its rich green color to the bursting stage. Smooth, solid, of fine texture and flavor; heads weigh 3 to 4 pounds. Pkt., 10c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Glory of Enkhausen. Matures in about 75 days. This globe shaped, medium early variety is of excellent flavor and crispness and produces heads weighing 8 to 10 pounds, and more uniform than the earlier types. Recommended for the main crop in the home garden. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Vaughan's Select Early Jersey Wakefield. In about 62 days. This extra early conical shaped head cabbage is a specialty with us. The heads are hard, the outside leaves small, so that close planting is possible. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Early Flat Dutch. In 90 days. Sure solid header; weighs 10 to 12 pounds. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.45.

Charleston Wakefield. About 73 days. Later than "Jersey Wakefield," with heads much larger and uniform. Does well on heavy soil. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Vaughan's All Seasons. About 90 days. Suited to every growing season. Even when planted late it keeps well, and is of better quality than big ribbed winter sorts. Pkt., 10c; oz., 45c; ¼ lb., \$1.25.

All Head Early or Faultless. In about 78 days. Matures large, uniform handsome heads of unsurpassed quality. Pkt., 10c; oz., 45c; ¼ lb., \$1.25.

LATE STANDARD VARIETIES

Danish Ballhead Short Stem. Or Dwarf Amager. About 105 days. Ball shaped splendid keeper. Very fine 8-lb. heads. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Penn State Ballhead. About 105 days. A heavy yielding strain of the short stem Danish Ballhead type. Yields as high as 26 tons per acre have been recorded. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Vaughan's Premium Late Flat Dutch. In about 110 days. Seed may be sown in the open ground and plants raised without the use of hotbeds. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

Oregon Ballhead. 105 days. An acknowledged leader for a main crop winter cabbage, exceptionally solid, resistant to aphids or freezing. The outer leaves are deep green and will hold their color weeks after cutting. Equal in keeping quality to Bugner. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

Sow Slender, Tender

CARROTS

CARROTS have been improved in quality at the same time their value as a health food has been gaining wider recognition. In addition to color, size, shape, tops and season of maturity, our special strains are selected for sweetness, and the tenderness and even texture of the flesh, especially for a minimum of "core." Scientists say the brighter the color, the more Vitamin A in carrots.

Sow as soon as soil can be prepared, in shallow drills, 5 seeds to the inch. Thin cut when of finger size, and serve discards. Carrots will mature well growing close enough to touch, and remain delicious all season; but many prefer them young, and make several sowings.

Heartheart. See Novelty page.

Pkt., 25c; ½ oz., 45c; oz., .75; ¼ lb., \$2.00.

Touchon. 70 days. From the time it is finger size and thinned out of the row in early spring, until it reaches full growth in the autumn, this variety excels in flavor, tenderness, even in yield, for home gardens. Its slender shape permits growing closer than thicker types, and decreases the core which all carrots have even though you may not see it. Its flesh is fine grained, sweet and has bright orange coloring. Pkt., 20c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.50.

Red Heart (Red Core Chantenays). 70 days. It has no core of the usual sort, but its rich red coloring is even throughout the flesh. The top is ample for bunching and the foliage is fern-like. The root is of medium length, blunt, smooth and easily prepared for serving. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

Nantes Half-Long Scarlet. Matures in about 70 days. This early variety is not surpassed in tenderness and sweetness. The tops are small, the roots bright orange, smooth and cylindrical, 6 to 7 inches long. There is almost no core. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

Table Queen. Matures in about 70 days. Half-long type, rich red, tender, crisp and one of the sweetest we know. Pkt., 20c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.50.

Vaughan's Select Danvers (Red Core). About 75 days. It is a half-long type, averaging five and one-half inches in length, tapering to a blunt point. Its yield greater per acre than any other. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.00.

Improved Chantenay.

75 days. This is a strain of Early Chantenay which resembles the original type in most respects except that it averages 1½ to 2 inches longer and has sloping shoulders. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

Dutch Horn.

In about 65 days. Larger than French Horn and almost as early, 1½ inches thick, three inches long; fine grain, sweet-flavored, rich orange. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

Guerande or Oxheart.

In 70 days. Is a variety of very rapid growth, often attaining a weight of ½ pound. It is thick shouldered, short and top shape; has a good flavor and is tender. A second early. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

Imperator.

About 77 days. Has roots 7 to 8 inches long, slightly tapering, and just enough top to bunch well. Color is deep solid orange all through. It is prolific and of high quality, brittle, tender, sweet. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

CARROTS FOR STOCK

Improved Long Orange.

About 88 days. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding. Makes a large tonnage of feed and may be used for cattle or poultry. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 90c.



CARROT TOUCHON. Pkt., 20c.

Green Celery Best for Vitamins

CELERY is often thought to be difficult to grow. Every home gardener whose soil is sufficiently light and rich to produce good Cabbages may easily produce a family supply of this most welcome delicacy. Start the seed indoors and set the plants out around the middle of June. Eight inches apart for the early kinds and a foot for the winter varieties. Do not work over the plants when they are wet with dew or rain.

Vaughan's Celery Seed is of the finest strains in the world and is used by market gardeners selling to the most exacting trade.

Quantity needed for 400 to 500 plants, 1 pkt.; 1000 plants, 1 oz.

Salt Lake. Selection from Utah Golden. Large round stalk. Free from string, finest quality, blanches easily. An excellent winter seller. Pkt., 15c; ½ oz., 45c; oz., 85c.

Golden Detroit. The plants are heavy, compact and full hearted. This is a pure line selection of the Dwarf Golden Self-Blanching type which accentuates the good points of that variety. Pkt., 10c; ½ oz., 45c; oz., 85c.

Michigan Golden. (College Golden). Developed at Michigan State Agricultural College, resistant to "Fusarium Yellows," bred from the tall strain of Golden Self-Blanching. Pkt., 35c; ½ oz., \$1.25; oz., \$2.50.

Cornell 19. 140 days. New York college of Agriculture developed this cross between Utah and Golden Self-Blanching, which combines qualities of the Pascal type with the early, easy blanching character and color of the Golden Self-Blanching strains. Averages 18 to 20 inches, hearts long and full, stems thick, rounded and smooth. Pkt., 20c; ½ oz., 75c; oz., \$1.50.

Golden Plume. A selection from or a cross with the Golden Self-Blanching, it is more vigorous and withstands heat and blight better. It is a beautiful gold in color, brittle and of the highest table quality. Select. Pkt., 15c; ½ oz., 65c; oz., \$1.25.

Golden Self-Blanching. Dwarf bunches with broad, heavy stalks, blanch into a rich, appetizing, golden yellow. Though the stalks are heavier than white varieties, its sweetness, tender crispness, delicious flavor and absence of strings make it a favorite. The French originators of this type have introduced a re-selected strain earlier and stronger growing than the older type.

Tall Strain. French type. Pkt., 10c; ½ oz., 75c; oz., \$1.50.

Dwarf Strain. American-grown. Pkt., 10c; ½ oz., 50c; oz., 95c.

Giant Pascal. The stalks are large, light green solid, crisp and of rich nutty flavor. For fall and winter, this is a splendid sort. Pkt., 10c; ½ oz., 40c; oz., 75c.

Emperor. It is dwarf in type (hence easier to blanch than taller kinds), second early and a good winter keeper. The stems are round. Pkt., 10c; ½ oz., 40c; oz., 75c.

White Plume. It excels in crisp and tender table quality. Its habit of growing is vigorous, stalks are uniformly white and large sized.

Selected Stock. Pkt., 10c; ½ oz., 40c; oz., 75c.

Winter Queen. An excellent winter sort with double the amount of heart of any known celery. Pkt., 10c; ½ oz., 40c; oz., 75c.

Soup Celery or Smallage. Green foliage used for soups. Pkt., 10c; oz., 65c; ¼ lb., \$1.45.

Easy Blanching. Medium dwarf, stalks thick, quality excellent. Pkt., 10c; ½ oz., 40c; oz., 75c.



CELERY, Salt Lake. Pkt., 15c.

Celeriac

TURNIP ROOTED CELERY

This vegetable deserves much wider cultivation. Cooked and prepared as a salad, it has a rich celery flavor. The roots keep well in winter—recipes for preparing enclosed upon request.

Large Smooth Prague. About 120 days. A main crop variety. Pkt., 10c; ½ oz., 40c; 1 oz., 75c; ¼ lb., \$2.25.

SWEET CORN

Sweet Corn All Summer, 25c



GOLDEN NUGGET

OUR CHOICE

GOLDEN PRIDE

SURPRISE

Hybrids for Heavy Yield

HYBRID sweet corn excels in three ways: Heavier yield, more even maturity, and resistance to Stewart's disease, and other troubles. In flavor, which many home gardeners consider the supreme point, the variety Our Choice is equal to Golden Bantam, some think better. Other hybrids will compare well in flavor with other open pollinated.

Any open pollinated corn will mature unevenly and give edible ears from one planting over a longer period, which some may prefer. Our list has been revised to offer the best of both hybrid and open pollinated types, as proved by exhaustive tests in our trials.

A packet plants 40 hills; a pound, 400 hills; 12 pounds, an acre.

Sow two weeks before frost proof date, seeds two inches deep, three inches apart; to be thinned out to six inches; or six seeds to a hill, 2 to 3 feet apart according to variety's height, thinning to three plants per hill. Time succession sowings, two weeks apart.

HYBRID RESISTANT

★**Surprise.** 64 days. 10 to 12 rows, golden yellow, low, ears 5½ to 6 inches. Stalks 57 to 60 inches tall and bear the ears 12 inches from the ground. We can recommend this for your first early corn of good flavor. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

Golden Nugget. 68 days. An excellent early, 66 inches tall, will filled ear 7¼ inches long, 8 to 12 rows of kernels. The size of the ear recommends it more than the flavor, which is medium. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

Golden Pride. 68 days. From Connecticut Experiment Station. Compared with Our Choice, it is longer by one inch, supplies more cut corn, is fully as fine a kernel and has as good or better quality. We recommend it. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

★**Our Choice.** 68 days. Maturing two days later than Golden Treasure, this is the sweetest variety we know, not excluding Golden Bantam. It is heavy yielding, with a good size 12 row ear, and completely resistant. For the home garden this would be our choice for an early. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

★**Wilson.** 90 days. This recent introduction takes from rank among late varieties. Grows 76 inches tall, ears 8½ by 2 inches, 16 to 20 rows. Fine golden yellow grains, excellent flavor. Pkt., 15c; ½ lb., 35c; 1 lb., 65c; 2 lbs., \$1.20. See novelty pages.

★**Marcross 39.** 75 days. This is Golden 60-day has given us a cross that is practically the same as Golden 60-Day. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

Whipcross. 75 days. Ten days later than Whipple's Yellow. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.20.

Bancross (Vaughan's Top Cross Golden Bantam). 76 days. This variety is produced by crossing our Early Golden Bantam with Purdue Bantam. It is earlier than its male parent and not as uniformly eight rowed as its female parent, though it may vary. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c.

★**Vaughan's Golden Cross Bantam.** In about 79 days. Obtained by crossing the two strains produced by G. M. Smith of Purdue. It has the same resistance and will produce a heavier crop of more uniform ears. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

HYBRID SWEET CORN TEAM

All Season Hybrid Collection

Four of our best hybrids maturing over a period of 3 to 4 weeks. If planted in separate rows all at one time will give you mature corn for the table sufficient for a family of four. 2 oz. of each variety, in separate packets making ½ lb. total for 45c. See Novelty Pages.

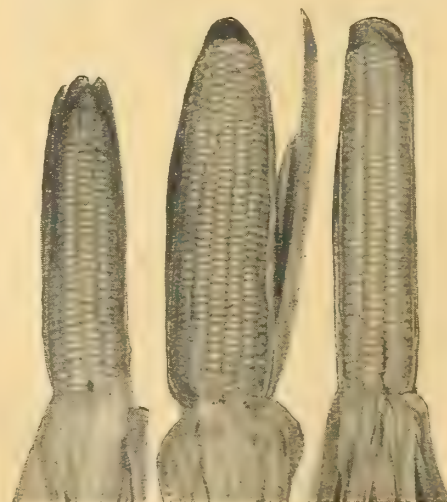
★**Ioana.** 83 days. Productive variety, highly resistant to drought and wilt. Plants tall and sturdy, with broad and numerous leaves. Ears 7½ to 8 in. long, 12-14 rowed, cylindrical; well filled with medium-narrow, light, yellow kernels. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

Lee. 73 days. A second early, bearing large ears with deep kernels, very sweet and heavy yielding. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.20.

Narrow Grain Hybrid. 98 days. Same season as Narrow Grain Evergreen. Much more prolific in poor years. Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., \$1.35.

Country Gentleman Hybrid. In about 99 days. Same season as Country Gentleman but better yielding. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

Stowell's Hybrid. Pkt., 15c; ½ lb., 40c; lb., 70c; 2 lbs., \$1.35.



GOLDEN SWEET

BANTAM EVERGREEN

EARLY GOLDEN BANTAM

OPEN POLLINATED VARIETIES
Collection No. 22. One Packet each Earliest Golden Sweet, Early Golden Bantam, and Bantam Evergreen, prepaid for 25c. ½ lb. each, 50c; 1 lb. each, 85c.

OPEN POLLINATED YELLOW
Golden Bantam. Matures in about 85 days. The tender sweetness of an ear of true Golden Bantam, picked just after it turns yellow and served in half an hour, has never been excelled. To maintain this superior quality, however, requires constant vigilance, as there is great variation in the seed sold under the name. Our strain is grown on our Michigan farm where it is selected for size, uniformity and flavor and runs much larger than the usual type, and has better flavor. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Extra Early Golden Bantam. Matures in about 72 days. Prices are same as Golden Bantam.

Earliest Golden Sweet. 53 days. To produce an earlier variety with the quality of Golden Bantam we have worked many years, and this is the best of many tested. It gives you Bantam quality twelve days earlier. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

★**Vaughan's Bantam Evergreen.** 85 days. A product of Golden Bantam crossed with Stowell's Evergreen. It has retained much of the quality of Bantam and has the size and tender skin of Evergreen. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Whipple's Early Yellow. About 87 days. A rowed ear, 7 to 8 inches in length. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Golden 60-Day. 68 days. It is bred from 60-Day White crossed with Golden Bantam. Except for color, same as 60-Day. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

SMALLEST OF ALL

Golden Midget. 70 days. The smallest stalk of any sweet corn. Ears 4 to 5 inches long by 1¼, 8 rows; stalk 2½ to 3 ft. For small garden. Pkt., 10c; ½ lb., 35c; 1 lb., 65c.

Vaughan's Black Sugar or Black Mexican. About 85 days. Selected for large ears and high sugar qualities. Ears 10 rowed, 8 inches long. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

OPEN POLLINATED WHITE

Howling Mob. 83 days. A large-eared fine second early. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Early Evergreen. About 75 days. It is earlier than Stowell's Evergreen bred for northern localities. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

Country Gentleman. About 95 days. The grain is small and crowded together on the cob, instead of forming in defined rows. Deliciously tender a sweet. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

Stowell's Evergreen. About 95 days. The standard main crop variety. The stalks grow 7 to 8 feet high, and bear ears 8 inches long, with 16 more rows of the finest sugary grains. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

Narrow Grain Evergreen. 95 days. Similar to Stowell's Evergreen, but with narrow and small kernels. Used mostly by canners. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

Pop Corn

Victory White Hulless. 105 days. Stalks 5 to 5½ ft. tall, bearing ears 4 in. long by 1½ in. Kernels very white, popping to large size, clear white and free from hard center. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.25.

Golden Hulless (Baby Golden). 105 days. Golden yellow popping to rich creamy white. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.25.

South American. 110 days. Usually 2 ears to a stalk. Large yellow kernels, 12 to 14 row ear, 6 to 7 inches long, pops to enormous size, no hard center. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.25.

South American Hybrid. See novelty pages. Pkt., 25c.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to and including pounds. For postage charges on larger lots, Page 104.

CUCUMBERS

Salad and Pickle

TWO distinct types of cucumbers are bred to fill the need for large fruits suitable for slicing to serve in salads, and the smaller, uniform, prolific, pickling varieties. Our special strains in both types are grown with the greatest care to insure that all standards of quality are maintained in your crop. **Quantity needed for 20 hills, 1 pkt.; 80 hills, 1 oz.**

Home gardeners will have no trouble in producing from our strains fruits that excel in table quality. We recommend especially Mandarin, our new Chinese, earliest as well as of the highest quality, and the Vaughan, largest of outdoor varieties.

Sow in hills three to six feet apart; six seeds $1\frac{1}{2}$ inches deep to a hill, thinned three plants. Protect small plants from beetles. Water when needed, and keep vines picked clean.

★The Vaughan. 68 days. The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long White Spine varieties, it is much darker in color, more uniform in shape and size, thinner, and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

★"A and C." Colorado. 68 days. A beautifully long, slender, dark green cucumber of excellent shape and intense dark color which is maintained longer than in any other variety. Fruit is inclined to taper, especially at stem end. Seeds form late in season and are few. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

★Straight Eight. 60 days. A white spine which produces a high percentage of fruits perfectly straight, and 8 or more inches long. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.



CUCUMBER MANDARIN. Pkt., 10c.

Earliest of All

★Mandarin. 45 days. Earliest of any variety we have tried, this new variety, thanks to its Chinese blood, is also supreme in quality. It is 10 to 12 inches long, $1\frac{1}{4}$ to $1\frac{1}{2}$ inches in diameter, with the crispness and flavor for which Chinese cucumbers are noted. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.



CUCUMBER MINCU. Pkt., 10c.

Cubit. 60 days. Dark green, cylindrical fruits with rounded ends, giving heavy early yield. Fruits are 6 to 8 inches and quality good. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

Mincu. 45 days. Its fruits averaging $4\frac{1}{2}$ inches long by 2 inches in diameter are suitable both for salad slicing and pickling. It bears from 8 to 10 fruits within a foot of the hill. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.15.

Midget or Hill Cucumber. 70 days. Produced by Dr. Yager of the North Dakota Agricultural College and is the true hill type. The cucumber is about 6 in. long and $2\frac{1}{2}$ in. in diameter. Fit for any small home garden. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.15.

Improved Long Green. In 68 days. Used for yellow chunk pickles. The vines are vigorous and productive; the fruit (12 inches long) has a distinctive flavor. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.15.

Vaughan's Improved Arlington White Spine. About 60 days. A heavy yielder; symmetrical, straight, 7 to 10 inches long. A great favorite in the south. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 95c.

Davis Perfect. 65 days. Fine length, slim, dark green and crisp. The best blight resister of long sorts. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 95c.

Deltus. In 72 days. A dark green cucumber nearly free from spine, may be used for forcing out of doors. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 95c.

Early Fortune. In 64 days. Medium length White Spine, much planted in the south. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 95c.

FIRST RESISTANT CUCUMBER

Shamrock Resistant. 65 days. Resistant to Mosaic, early, uniform and satisfactory as a slicer or small pickler. A white spine variety 6 to 8 in. long. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.15.

SEEDLESS CUCUMBERS

Cucumbers without seed, obtained by spraying blossoms with SEEDLESS SET hormone, are not only superior in quality, but remain much longer in top condition. Apply with any sprayer to flowers of tomatoes, cucumbers, peppers, egg plants. Fruits produced by blossoms fertilized by spray are seedless, of premium quality. Developed by famous Boyce-Thompson Institute. Eight ounces will treat 100 plants, \$1.00; quart, \$3.00, postpaid; gallon, \$9.00, by express.



At left, CUCUMBER STRAIGHT EIGHT; in center, COLORADO or "A and C;" right, THE VAUGHAN. Each variety, Pkt., 10c; oz., 45c.



PICKLE CUCUMBERS, left to right: CLIMBING, EARLY CLUSTER, CHICAGO PICKLE, DOUBLE YIELD, NATIONAL, BOSTON.

Best of the Pickling Type

Grow Quick. 48 days. A pickle type similar to Chicago Westerfield in size and shape, but a week or ten days earlier. It usually matures its crop before the early blight appears. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.15.

★Westerfield's Chicago Pickle. 58 days. Since we first introduced this pickle years ago, it has been a distinguished success. When ripe the fruit is medium size, blunt at both ends, has prominent black spines. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c; lb., \$2.50.

West India Gherkin. About 60 days. A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

National. About 56 days. The type is shorter than the Chicago Pickle and the fruit being smaller, blight does not sap the strength of the vine to the detriment of a crop. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c; lb., \$2.50.

Green Prolific or Boston Pickling. In about 58 days. Smooth, symmetrical pickle, very early and productive. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c.

Climbing. About 68 days. This is quite resistant to disease and insects. It is good quality and of a dark green color. May be grown on a trellis. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.15.



BLACK BEAUTY



IMPROVED NEW YORK PURPLE



VIENNA KOHLRABI EARLY WHITE. Pkt., 10c.

Egg Plant

EGG plant likes a rich, loamy soil. Plants should be set out in the garden as soon as danger of frost has passed, in rows three feet apart, the plants two feet apart. Our special strains excel in uniformity, flavor and yield.

Florida High Bush. 85 days. Plants are well branched holding their large deep purple oval fruits well off the ground. Hardy, and resistant to disease. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Ft. Meyers. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Black Beauty. 80 days. It is oval in shape, uniformly the darkest in color. Perfectly spineless and smooth; has beautiful, rich purple color and handsome lustre. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Improved New York Purple. About 83 days. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Minnoval. 72 days. One of the earliest, it has firm, dark purple oval fruits, 6x7 inches, produced abundantly over a long season. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Horseradish Sets

Horseradish. The roots produce good radish, fit for use in one season's growth. Plant roots in trench, pressing small end down, and cover with 3 to 4 inches of soil. Raise the plant once in the early season, without disturbing the tap root end, and rub off all excess rootlets, recovering the plant as fast as accomplished. Doz., 50c; 100, \$2.50; 1,000, \$20.00.

Oyster Plant (Salsify)

THOUGH not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall, while those for early spring use may be left in the ground over winter.

Mammoth Sandwich Island. This variety is much more uniform in growth than the old standard "Long White" variety; it is twice the size and weight; the roots are of superior quality and most delicate flavor. Pkt., 10c; ½ oz., 35c; oz., 65c.



GARDEN HUCKLEBERRY

This is a novelty, well described by the above name, which bears racemes or bunches of blackberries, ½ inch in diameter, which make excellent pies and preserves. To serve in pie or sauce, sweeten with syrup made of 1 part sugar to three parts water. As these berries lack acidity, add lemon juice or cook with sour apples, or rhubarb. The bushes are about 3 feet tall. Cultivation is the same as with the tomato, of which this plant is a distant cousin. Pkt., 15c; ½ oz., 50c; oz., 90c.

Kohlrabi

Sow in April or May, in rows, thin to 8 inches. The globular fruits grow above ground, are stripped and cooked like turnips, but are much sweeter.

★**Early White Vienna.** 55 days. White and tender. Pkt., 10c; ½ oz., 25c; oz., 45c.

Early Purple Vienna. About 55 days. Pkt., 10c; ½ oz., 25c; oz., 45c.

Martynia

100 days

The tender young seed pods, gathered when half-grown, make excellent pickles. Pkt., 10c.

Tobacco Seeds

Big Havana. A hybrid Havana. Pkt., 10c; ½ oz., 40c; oz., 75c.

Connecticut Seed Leaf. Best adapted to climate of middle and northern states. Pkt., 10c; ½ oz., 40c; oz., 75c.

Burley. The popular Kentucky sort. Pkt., 10c; ½ oz., 40c; oz., 75c.

Rhubarb

Vaughan's Mammoth. Vigorous and productive; stalks fifteen inches long. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

Victoria. A popular red strain. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

Rhubarb Roots. Set in spring they will furnish leaf stalks the following year. (If wanted by mail, add 10c for 1 or 3 roots, 13c for 10 roots for postage and packing).

Canada Red. Stems dark red clear to heart. Makes a sweet, fine flavored, beautiful red sauce. Divisions, \$1.10; 3 for \$3.00; 10 for \$9.00.

McDonald Crimson, Divisions. Bright red stalks, low acidity, thin skin, fine grain and fruity flavor. Each, 85c; 3 for \$2.25; 10 for \$6.50.

Victoria, 1 year, 35c; 3 for 75c; 10 for \$1.50; 2 years, each, 60c; 3 for \$1.25; 10 for \$3.00; 3 years, 75c; 3 for \$2.00; 10 for \$5.00.

If wanted by parcel post, add 10c for 1 to 3 roots, 13c for 10 roots.

Rutabagas

Mature in 90 days

★**Vaughan's Improved American Purple Top.** is a fine strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. A heavy yielder. Excellent table quality. Pkt., 10c; oz., 20c; ¼ lb., 35c.

Laurentian. A purple top globe having rich yellow flesh, one of the deepest globes and freest from excess roots. Pkt., 10c; oz., 20c; ¼ lb., 35c.

Canadian Gem. Round medium size, quick growing, purple top, yellow flesh. It resists mildew and is of excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 35c.

ENDIVE



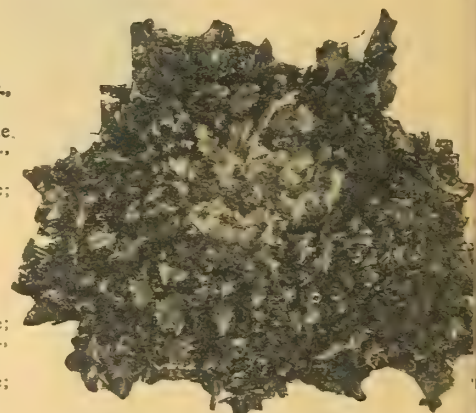
BROAD LEAVED BATAVIAN WHITE ESCAROLE. Pkt., 10c; oz., 25c; ¼ lb., 65c.

ENDIVE is a delightful autumn and winter salad. Sow seed from middle of June to the end of August. Frost improves the flavor.

★**Broad Leaved Batavian White Escarole** (Florida Full Heart.) 92 days. Of the straight smooth leaf Batavian type, this variety has the largest number of heart leaves and the finest salad quality of any we have tried. It grows upright, resists drought, and when tied up for bleaching produces a cluster of creamy, tender, spicy leaves which are easily prepared for serving. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Florida Deep Heart.** 95 days. Similar. It has a deeper heart and is more easily blanched. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Cos Endive. A new variety worth trying. Pkt., 10c; oz., 25c; ¼ lb., 65c.



ENDIVE GREEN CURLED Pkt., 10c; oz., 25c.

Green Curled. In 70 days. Standard variety for fall and winter. Finely divided leaves make the plant appear mossy, and when centers are blanched it is most beautiful. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Moss Curled. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Rose Ribbed Curled. In 75 days. Has leaf ridges of red. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Ever White Curled. About 75 days. Very crisp. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Chicory

Witloof (French Endive). In about 150 days. European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; direction on packages. Pkt., 10c; ½ oz., 30c; oz., 50c.

Large Rooted Magdeburg. 65 days. Roots are cut in thick slices, roasted and used as coffee; spring leaves make good salad. Pkt., 10c; ½ oz., 30c; oz., 50c.

Asparagus Chicory. 55 days. Cultivated for its fresh green shoots, which are boiled in salt water and served hot, or in cold salad. New sprouts continual spring from the base, to be harvested and enjoyed. Pkt., 10c; ½ oz., 30c; oz., 50c.

Best Home Garden

LETTUCE

TASTY bowl salads not only delight the palate, but when made with green leaves, are rich in Vitamin A and other dietary necessities. Home gardeners may plan their sowings so as to have bowl salad materials throughout the season. Besides lettuce, endive of both curly and broad-leaved types (Escarole) are excellent, as are rress and Finnocchio. Heading varieties of lettuce may not head easily in hot weather sections, but they grow rapidly and produce an abundance of leaves. Says Emile Foially, salad chef of the Hotel Sherman's famous College Inn, Chicago: "Leaf lettuce andomaine are far more tender and better flavored; and take the salad dressing perfectly, which is important. And the doctors say their green leaves have more vitamins. What a combination!" Quick growth is essential for all leaf crops. Quantity needed to sow: 30 ft., pkt.; 250 ft., 1 oz.

sow as soon as soil can be prepared, 1/2-inch drill, 5 seeds to an inch. Seed well, to make it grow fast. Thin out first to stand an inch apart; then use alternate plants until leaf varieties stand 8 inches, heading varieties 12 inches apart. Make succession sowings to prolong harvest.

LEAF LETTUCE

***Oak Leaf.** 40 days. Since we revived this excellent old variety it has become the most popular leaf lettuce for home gardens from coast to coast. The rich dark green of its leaves, its tenderness, and resistance to hot weather, are all outstanding. We consider it best of the leaf type for home gardens. Pkt., 20c; 1/2 oz., 40c; oz., 70c.

***Black Seeded Simpson.** Matures in about 46 days. Its large rich green leaves are thin, tender and crisp, forming a loose head. It is one of the most vigorous varieties in hot weather and slow to run to seed. It is especially adapted to the home garden.

Vaughan's Selected Stock. Pkt., 10c; oz., 30c; 1/4 lb., 70c.

Grand Rapids. About 45 days. This home garden favorite, also extensively planted for hotbed or greenhouse growing. The leaves are light green, daintily curled, tender, crisp, delicious. Our selected stock has been bred to a high degree of uniformity in type and season.

Vaughan's Extra Selected Stock. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.

Grand Rapids Forcing Ohio Strain. Like the original strain except that leaves are very dark green, indicating rich vitamin A value. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.

Grand Rapids Resistant. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.

GREAT LAKES
LETTUCE.
Pkt., 15c.



***Great Lakes.** 75 days. A tight heading variety of the commercial New York type bred to produce mature heads in the hot summer weather of the middle west. It is slow to run to seed but needs fertile soil, and ample spacing in the garden row. Pkt., 15c; 1/2 oz., 40c; oz., 70c; 1/4 lb., \$2.00.

New York No. 12. Matures in about 80 days. This is the variety grown in California and shipped the year around to eastern markets. It often weighs two pounds, stands hot weather well. We offer the highly selected strain known on the Pacific Coast as No. 12. Seed should be started indoors and the seedling plants can be set out when true leaves have been formed. Pkt., 10c; 1/2 oz., 25c; oz., 40c; 1/4 lb., \$1.15.

***Iceberg.** Matures in about 84 days. This makes a small head which is the tightest of any variety we know, and it resists hot weather well. It is an excellent home garden variety and entirely distinct from New York, which is sometimes called Iceberg. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.

New York No. 515. Matures in about 80 days. This is a cross between New York and Iceberg bred for resistance to tip burn. Excellent for the home or market garden. Pkt., 10c; 1/2 oz., 25c; oz., 40c; 1/4 lb., \$1.15.

New York P. W. 55. 70 days. A crisp, hard heading, high quality lettuce having considerable resistance to tip burn. Pkt., 10c; oz., 40c; 1/4 lb., \$1.15.

Imperial No. 44. 82 days. The latest introduction in blight resistant types. Heads a little earlier than 847 and is a little more curled. Pkt., 10c; 1/2 oz., 25c; oz., 40c; 1/4 lb., \$1.15.

Imperial No. 847. 84 days. Pkt., 10c; 1/2 oz., 25c; oz., 40c; 1/4 lb., \$1.15.

Imperial No. 560. 80 days. Developed by Cornell Experiment Station as a variety suitable for those who wish to grow head lettuce in July and August. Of the Imperial type, and said to withstand high temperatures and tipburn better than Imperial No. 44. Pkt., 10c; 1/2 oz., 35c; oz., 60c; 1/4 lb., \$1.50.

Cress

Upland Cress. About 65 days. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. Pkt., 10c; 1/2 oz., 20c; oz., 35c; 1/4 lb., \$1.00.

Curled Garden. 65 days. Used with lettuce, it adds an agreeable pungency. Pkt., 10c; oz., 35c; 1/4 lb., \$1.

Dandelion

THICK leaf or cabbage variety. Cultivated for spring greens and salads, is fast gaining favor. Unlike common sorts, almost double usual size. Pkt., 10c; 1/2 oz., 30c; oz., 50c.

Finnocchio

Fennel, Florence. 85 days. It has an enlarged leaf base which should have the dirt drawn up around it when it is the size of a hen's egg. Height of plant, 2 feet. Directions for culture and use given with each order. Pkt., 10c; 1/2 oz., 25c; oz., 40c; 1/4 lb., \$1.20.



EXPRESS
COS.
Pkt., 10c.

HEAD LETTUCE

***Cosberg.** 76 days. Small compact heads, firm, clear to pale green, withstands heat, somewhat resistant to blight. Matured tight heads in July, in Chicago last summer. Pkt., 10c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.35.

Cosberg 600. 65 days. This is an early sure heading lettuce under adverse conditions. A smaller head than Hanson or Iceberg. Has light green leaves with no bronzing effect. Pkt., 10c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.35.

***Crisp as Ice.** 74 days. Small dark green head overlaid with dark brown crumpled leaves, does not get bitter in hot weather. Pkt., 10c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.25.

Improved Hanson. 80 days. This globe-shaped variety excels with vigorous growth in hot weather. It has broad leaves, beautifully crinkled, tender and sweet. The outside leaves are a deep green, and the inner ones almost white. Pkt., 10c; oz., 30c; 1/4 lb., 80c.

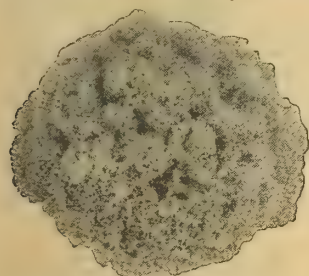
***Bibb.** 57 days. Rather small head used as forcing lettuce in the South and shipped to the northern hotels where it has a reputation for its excellent quality. Leaves smooth, dark green. Pkt., 20c; 1/2 oz., 30c; oz., 50c.

May King. 60 days. Very early variety. The outer leaves are tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 10c; oz., 35c; 1/4 lb., 85c.

Vaughan's Big Boston. 75 days. Large heads of bright green leaves, very tender. Pkt., 10c; oz., 25c; 1/4 lb., 65c.

California Cream Butter. About 75 days. One of the best summer varieties, large solid heads, buttery flavor. Pkt., 10c; oz., 30c; 1/4 lb., 75c.

Mignonette. 67 days. Compact, loose heading, medium size, crisp dark green leaves edged brown. Leaves frilled, head globular, firm, excellent quality. A very popular lettuce. Pkt., 10c; 1/2 oz., 25c; oz., 40c; 1/4 lb., \$1.15.



GRAND RAPIDS. Pkt., 10c.

Early Curled Simpson. About 40 days. A white seeded leaf lettuce of excellent quality. Pkt., 10c; oz., 30c; 1/4 lb., 70c.

Hansonette. 80 days. Foliage dark green, more frilled than Grand Rapids, forming a closer folding head than other loose heading types. Excellent flavor, resists heat and remains free from bitterness. Pkt., 10c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.25.

Prizehead. 45 days. A popular, loose heading sort. Leaves crumpled, shaded brown; crisp, sweet and tender. Pkt., 10c; oz., 30c; 1/4 lb., 70c.

ROMAINE OR COS LETTUCE

THIS type of lettuce forms upright loose folding heads, and the inner leaves bleach white. It is usually preferable to tie up the heads to assist bleaching. Esteemed the finest of lettuces in flavor.

Express Cos. In 70 days. A Vaughan introduction. The most dwarf and earliest of all. Delicious flavor. Self-closing. Pkt., 10c; oz., 30c; 1/4 lb., 80c.

Paris White or Trianon. In 75 days. Grows to large size. Self-closing. Pkt., 10c; oz., 30c; 1/4 lb., 80c.

FAST GROWING FOR POULTRY

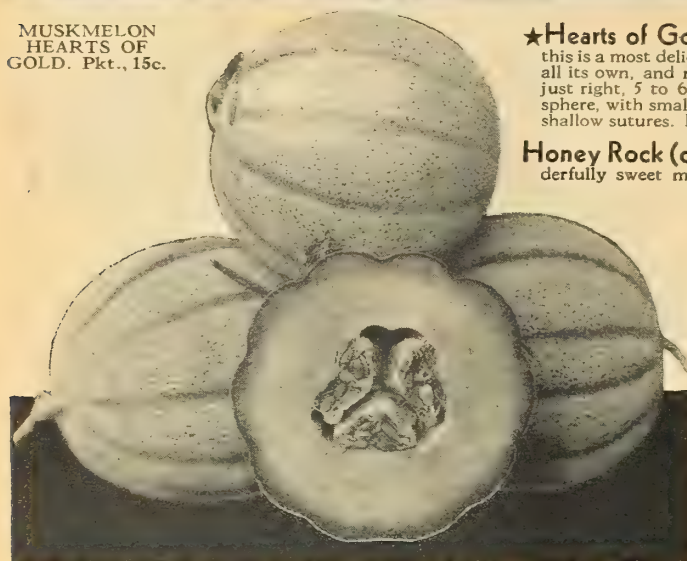
New Chicken Lettuce. About 48 days. Here is a genuine lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When cut it starts at once to grow again. The leaves can be pulled off each stem like a kale. Pkt., 10c; oz., 30c; 1/4 lb., 75c.

***Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.**

MUSKMELON

Sweet and Early

MUSKMELON
HEARTS OF
GOLD. Pkt., 15c.

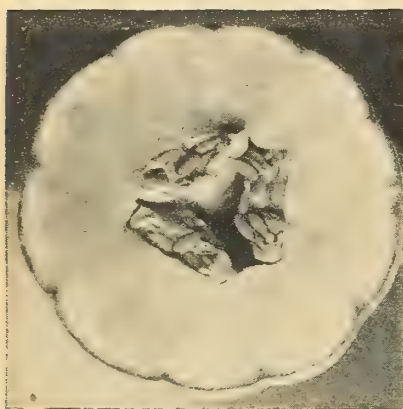


★**Hearts of Gold.** 80 days. For the home garden with heavy soil, this is a most delicious variety. It has a flavor all its own, and never surpassed. In size it is just right, 5 to 6 inches in diameter, almost a sphere, with small seed cavity, well netted with shallow sutures. Pkt., 15c; oz., 35c; ¼ lb., 85c.

★**Honey Rock (or Sugar Rock).** 85 days. A wonderfully sweet melon with thick orange flesh and a distinctive flavor, suggesting the Honey Dew taste. It produces heavily and is the earliest quality variety. Oval fruits of medium size. An excellent home garden variety. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

★**Pride of Wisconsin.** 85 days. This has the desirable characteristics of the Honey Rock and grows well in heavy soil. The rind is very hard, of a pearly gray color, with but a faint rib, heavily covered with a distinctive netting. The flesh is unusually thick with good flavor. Pkt., 15c; oz., 45c; ¼ lb., \$1.35.

★**Cranshaw.** About 90 days. An earlier and improved Persian. Perhaps the largest of all quality melons. A fruit will weigh 10 lbs., almost spherical in form, heavily netted, with thick pink flesh, fine flavor. Pkt., 15c; oz., 45c; ¼ lb., \$1.35.



MILWAUKEE MARKET MELON.
Selected Seed. Pkt., 15c.

★**Hale's Best No. 36.** 86 days. This is the improved Hale's Best type of outstanding merit. It not only is resistant to mildew and the ideal melon for shipping but rapidly becoming a leader in other sections where ever Hale's Best is grown. The shape is oval, the skin is medium with heavy net and a faint stripe which insures earliness. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Vaughan's Select Early Osage.** About 84 days. Not as large as Osage, but of equal quality. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Banana.** In 98 days. Cucumber shape. Delicious odor. A novelty melon for the home garden. Pkt. 10c; oz., 35c; ¼ lb., 85c.

★**Mango Melon or Vegetable Peach.** 90 days. Makes splendid mangoes, stuffed like peppers. For sweet pickles, pies and preserving. Cooking directions on packets. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Honey Dew.** 110 days. An old-time French melon imported by Vaughan's Seed Store for a melon specialist in Michigan; later found of good commercial value. Honey Dew is best when quite ripe. Unlike other melons, it grows sweeter after being picked. Pkt., 10c; oz., 35c; ¼ lb., 85c.

THE ROCKY FORD TYPE

★**Rocky Ford Netted Gem.** About 96 days. Of the green-fleshed muskmelons, Rocky Ford is the recognized standard of excellence. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Pollock.** 10-25. About 98 days. Salmon tint. Pkt. 10c; oz., 35c; ¼ lb., 85c.



DIXIE QUEEN. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Newest and Earliest Watermelons

WATERMELONS may be grown under favorable conditions in the north though they require 100 to 120 days to mature. Soil such as will mature good muskmelons is needed, with plenty of hot weather and no lack of water. Room for the vines to wander is required, preferably 8 to 10 feet between hills both ways. Avoid lifting the vines and use only hand tools in cultivation. Quantity needed for 8 hills, 1 pkt.; 25 to 30 hills, 1 oz.

★**Stone Mountain.** 82 days. A new round melon having red flesh free from stringiness. Very productive and excellent for home use. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Stone Mountain Resistant No. 5.** 85 days. Pkt., 10c; oz., 30c; ¼ lb., 75c.

★**Ice Box.** 70 days. It is desirable to have a melon that will go in the ice box without having to be cut. This round melon is about six inches in diameter, is early, hardy and of excellent flavor. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Cole's Early.** 80 days. The northern states, favorite. The flesh is rich, deliciously sweet and crisp. It is about 20 inches long, 12 inches through; not a good shipper. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Dixie Queen.** 85 days. The latest. It is semi-round, has very thin rind but stands shipping. Has white seed and deep red flesh. One of the sweetest. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Golden Honey.** 90 days. Best yellow fleshed melon. Oblong, brown seed, flesh a sparkling gold, attractive and delicious. Rind dark green with faint irregular stripe. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Improved Kleckley.** About 87 days. Similar to Kleckley's in shape, but larger and has harder rind. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Black Lee.** Pkt., 15c; oz., 45c; ¼ lb., \$1.25.

★**Red Russian.** Or Early Kansas. 85 days. Flesh very deep pink, brown seeds, thin rind and very solid center. Pkt., 10c; oz., 30c; ¼ lb., 75c.

★**Florida Giant (Cannonball).** 95 days. The largest melon of good quality, often reaching 50 pounds in weight good for shipping and for home gardens where the season is long enough. Dark green, solid pink flesh seed dark brown to black. Vigorous and productive. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

★**Early Ovid.** 75 days. Very similar to Red Russian darker green, bright red flesh with black seeds. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Klondyke, Striped.** In 90 days. Known as the best long black watermelon grown in California. The seeds are small, flesh a deep red. It has a remarkable flavor, stands short distance shipping but is more of a home type. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Klondyke Resistant No. 7.** 90 days. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

★**Tom Watson.** In 92 days. The flesh is rich red tenderly melting. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Sweet Siberian.** In 80 days. A very early variety of medium size, with yellow flesh of superb quality. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Irish Gray.** In 90 days. A mottled greenish gray equal of any. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Wilt Resistant Kleckley's No. 6.** 92 days. Pkt. 10c; oz., 30c; ¼ lb., 75c.

★**Citron.** In 90 days. For preserves. Red or green seeded. Pkt., 10c; oz., 30c; ¼ lb., 75c.

★**Winter Watermelon.** 85 days. Like Honey Dew in size and long-keeping qualities. Prolific, an excellent flavor. Pkt., 10c; oz., 35c; ¼ lb., 85c.

TO ONE who has tasted a Vaughan's Milwaukee Market or Hearts of Gold muskmelon ripened on the vine, quality in muskmelons has a new meaning. In no other crop does quality respond more quickly to careful breeding. Our special strains are selected for size, color, flavor and thick flesh.

Remember, muskmelons must ripen on the vine. Except the Honey Dew, they do not improve after picking. Quantity needed for 20 hills, 1 pkt.; 100 hills, 1 oz.

Grow in light soil, in full sun, where plants can be watered. Sow in hills, five or six feet apart each way, six seeds 1½ inches deep to a hill, thinning out to 3 plants.

★**Vaughan's Milwaukee Market.** Matures in about 80 days. This is a large melon averaging 8 in. in diameter, with a small seed cavity and thick salmon flesh, which has the sweetest, most delicious flavor and the finest texture of any we know. It does not stand shipping. Its original quality has been increased by breeding from hand-cut, inspected melons.

Seed from hand-cut, inspected melons—Pkt., 15c; oz., 45c; ¼ lb., \$1.35.

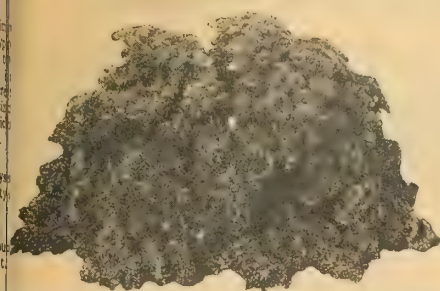
Standard Seed—Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Bender's Surprise.** 90 days. Large, thick-fleshed, heavily netted. Its flavor is wonderfully sweet, with almost no stringiness. Grows well in heavy soils. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Tip Top.** 96 days. It is yellow-fleshed, sweet, juicy; of finest flavor. A strong grower and yielder. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Both Sweet and Hot

PEPPERS



PARSLEY, Champion Moss Curled. Pkt., 10c.

Parsley

PARSLEY should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows.

The rooted parsley provides excellent flavoring for soups and stews. Quantity needed to sow 50 ft., pkt.; 200 ft., 1 oz.

Vaughan's Champion Moss Curled.

In about 70 days. Robust, compact plants; the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color; it is quite hardy. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Vaughan's XXX Parsley.

In 75 days. Curled leaves of delicate green, beautifully, add zest and richness to substantial or delicate viands. It grows very dwarf in the garden—many of our customers plant it as a border. Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip through Europe. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Plain or Italian.

In 72 days. Not curled. However, the flavor is excellent and plant is very hardy. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Double Curled.

70 days. Dwarf, handsome green, curled variety. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Hamburg Rooted.

90 days. Resembles a small parsnip. Used for flavoring soups. Our strain is exceptional. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Evergreen.

In 80 days. Darkest green curled. All-America award. Pkt., 10c; oz., 25c; ¼ lb., 65c.



Hamburg Rooted Parsley. Pkt., 10c.

Parsnips

PARSNIPS may be harvested at times when the garden has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. For the best results deep soil is needed, and fresh manure should not be used as it will cause the roots to divide. Quantity needed to sow 25 ft., 1 pkt.; 150 ft., 1 oz.

★Vaughan's Marrowfat.

95 days. This variety produces roots of uniform good size, fine shape, clean, smooth skin. In flavor it is unequaled. For exhibition it is a winner. Pkt., 10c; oz., 40c; ¼ lb., 75c.

Hollow Crown, Long Smooth.

About 95 days. Tender and sugary; one of the best. Our strain is a good selection. Pkt., 10c; oz., 35c; ¼ lb., 65c.

Improved Guernsey.

95 days. An improvement over the parent, "Hollow Crown," but it is much larger in diameter, though not so long. The roots are more easily gathered. Of excellent sugary flavor. Pkt., 10c; oz., 35c; ¼ lb., 65c.

Ideal.

About 95 days. Shorter than Hollow Crown and freer from side roots; tender, uniform and slightly hollowed neck. Washes up a good white. Pkt., 10c; oz., 40c; ¼ lb., 75c.

Short Thick.

The tops are only about half the size of Hollow Crown. The roots are short and thick, having a diameter of 2½ to 3½ inches and a length of only 6 or 8 inches at the thickened part. Pkt., 10c; oz., 45c; ¼ lb., 85c.

THE plants should stand eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. One packet produces 75 plants; one ounce, 1000 plants.

Plants started eight weeks before are set out one week after frost proof date. Harvest continues until frost, if vines are picked clean.

★Early California Wonder.

Matures in about 60 days. A quality giant is recommended for the home garden. Mild, sweet, midseason, it produces fruits 4 by 4½ inches, with thick flesh and bright crimson coloring. Pkt., 15c; ½ oz., 45c; oz., 85c.

★California Wonder.

About 75 days. A mild, sweet variety, very large. It resembles Chinese Giant in form, but has much thicker flesh. It has a crimson fruit. Pkt., 15c; ½ oz., 45c; oz., 85c.

★Vaughan's Giant Magnum

Dulce. In 67 days. This mild pepper grows to 7 inches long and 4 inches through—but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the first buds. Pkt., 15c; ½ oz., 45c; oz., 85c.

Harris' Early Giant.

63 days. Heavy yielder among the large peppers, also earlier. The plants are vigorous; peppers 4 by 4½ inches. Color, deep green turning to red; very sweet. Pkt., 10c; ½ oz., 40c; oz., 75c.

Waltham Beauty.

70 days. A California wonder type, smaller but much more productive and earlier. Pkt., 10c; ½ oz., 40c; oz., 75c.



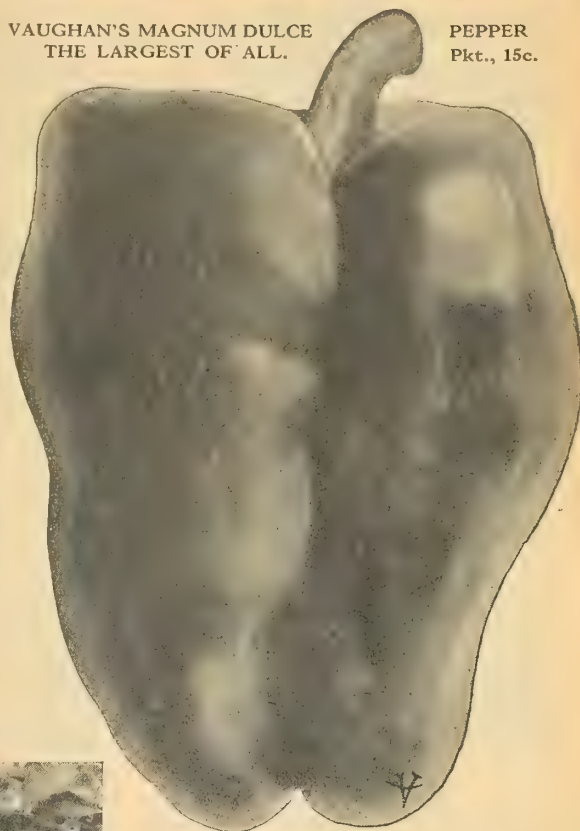
HUNGARIAN OR BANANA. Pkt., 10c.



PARSNIP, HOLLOW CROWN. Pkt., 10c.

VAUGHAN'S MAGNUM DULCE
THE LARGEST OF ALL.

PEPPER
Pkt., 15c.



Crimson Giant. About 70 days. One of the earliest large red. The peppers are green when young and a rich red when ripe; flesh thick, sweet and mild. Pkt., 10c; ½ oz., 45c; oz., 85c.

Chinese Giant. 80 days. Grows 4 to 5 inches broad on top and of equal length, mild flavored and makes a very fine salad sliced and served like tomatoes. Pkt., 10c; ½ oz., 45c; oz., 85c.

★**Hungarian or Banana (Hot).** In 65 days. A slender hot pepper much prized for canning. It is 1½ inches in diameter at the base and often 10 inches long. Yellow turning to red. Pkt., 10c; ½ oz., 40c; oz., 75c.

Hungarian or Banana (Sweet). In 65 days. Same as above, but sweet. Pkt., 10c; ½ oz., 40c; oz., 75c.

King of the North. In 64 days. A sweet medium short and blocky. Not quite as early as Early Giant. Pkt., 10c; ½ oz., 40c; oz., 75c.

Ruby King. In 68 days. One of the most popular, growing 4½ to 6 inches long, 3½ to 4 inches thick. The peppers are a bright ruby-red and quite sharp in flavor. Pkt., 10c; ½ oz., 40c; oz., 75c.

Bull Nose, Hot. In 70 days. A pungent pepper. Pkt., 10c; ½ oz., 35c; oz., 60c.

Pimento Perfection. In 73 days. Flesh thick and very mild. Must be started early in the north to mature. Pkt., 10c; ½ oz., 45c; oz., 85c.

Large Bell. 70 days. Large, mild. Pkt., 10c; ½ oz., 40c; oz., 75c.

Cayenne. 70 days. Long, red, hot. Pkt., 10c; ½ oz., 35c; oz., 65c.

Vaughan's Sweet Mountain. In 70 days. Very productive; the flesh mild and thick, 6x4 inches. Pkt., 10c; ½ oz., 40c; oz., 75c.

Oshkosh. 70 days. Small upright bush, fruit 4"x3", deep green turning to orange-yellow. Pkt., 15c; ½ oz., 45c; oz., 85c.

Red Cherry. 70 days. Pkt., 10c; ½ oz., 35c; oz., 65c.

Golden Queen. In 78 days. Pkt., 10c; ½ oz., 40c; oz., 75c.

Tabasco. About 95 days. Hottest of all. Pkt., 10c; ½ oz., 40c; oz., 75c.

Red Chili. 75 days. Good hot pickling. Pkt., 10c; ½ oz., 45c; oz., 75c.

Chili Anaheim. In 80 days. Pkt., 10c; ½ oz., 35c; oz., 65c.

Pimento Sunnybrook. About 73 days. Pkt., 10c; ½ oz., 45c; oz., 85c.

Grow Your Own Mushrooms



TO GROW a crop of Mushrooms in your own basement cellar or well-built outbuilding—is a home gardening effort worth making. While these are quickly salable, we are sure most of our readers would insist on eating their own crops! The location of the beds must be one where a temperature of 55 degrees to 65 degrees can be kept during cold weather. A barrel may be used in which to confine the manure for growing. A leaflet, "How to Grow Mushrooms," FREE with orders for Mushroom Spawn.

PURE CULTURE BOTTLE SPAWN

This spawn is made in glass jars under absolutely sterile conditions, so that every mould, weed seed or insect is destroyed and each bottle contains nothing but pure spawn. One bottle equals 5 bricks of ordinary spawn and is sufficient for 40 square feet.

Per carton.....\$1.25 5 cartons for.....\$5.50

If wanted by Parcel Post allow for postage at zone rate, weight about 1 lb. per bottle.

PURE CULTURE BRICK SPAWN

One brick will spawn 8 to 10 square feet and comes in pure white.

Per brick.....50c 5 bricks for.....\$2.25

If wanted by Parcel Post add postage at zone rate, weight about 1 lb. per brick.

Okra

OKRA pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy.

Quantity needed for 15 ft., 1 pkt.; 50 ft., 1 oz.

White Velvet. 70 days. Produces pods larger than any other. Pkt., 10c; oz., 25c; ¼ lb., 60c.

Long Green Pod. 68 days, very much like Dwarf Long Pod, but with deep rich green color. Pkt., 10c; oz., 25c; ¼ lb., 60c.

Tall or Perkins Mammoth. 68 days. The long pods, measuring 4 and 5 in., are produced in great quantities. Pkt., 10c; oz., 25c; ¼ lb., 60c.

Dwarf Long Pod. 65 days. Low, stocky and productive, with long pods. Pkt., 10c; oz., 25c; ¼ lb., 60c.

Clemson Spineless. 55 days. Similar to Dwarf Long Pod; a little taller bush, having longer and darker pod. Pkt., 10c; oz., 25c; ¼ lb., 60c.



OKRA DWARF LONG POD IN OUR TRIALS.
Pkt., 10c.

ONION SETS



WHITE

RED
VAUGHAN'S BOTTOM ONION SETS

YELLOW



The first home garden harvest in the spring is young onions from sets. Spring sets can be put into the ground as soon as it is able to be worked and in a few weeks the delicious young onions are ready to serve on the table. Plantings may be successively late into the summer, as long as the sets remain in good condition.

Use large sets planted 2 inches deep for green onions, smaller one inch deep for mature onions; space the first one inch apart, the second 3 to 4 inches. Plant with the earliest crops.

Quantity needed for 75 to 100 ft., 1 lb.

White Bottoms. Our sets of these are very choice, small, dry and unsprouted. Lb., 40c; 2 lbs., 75c; 5 lbs., \$1.60; 10 lbs., \$2.90.

Yellow Bottoms. Fine dry sets, medium in size and unsprouted. Lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40; 10 lbs., \$2.50.

Red Bottoms. Bright, deep red in color, even and dry. Lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40; 10 lbs., \$2.50.

Golden Globe. Sets. Large yellow globe. Very desirable as a large dry onion for the home gardener. A superior keeper. Lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40; 10 lbs., \$2.50.

Found and two pound prices for Onion Set shown on this page include Parcel Post prepayment through first three zones. For further zones add 5c per pound. Onion Sets if ordered before March 1st, are 5c less per lb.

The largest onions may be grown from sets ¾ to 1 inch in diameter.

BERMUDA ONION PLANTS

These are especially suitable for home gardens. See is sown early in Texas, and the plants are lifted, to be replanted in Northern gardens, to produce sweet mature onions of Bermuda quality. Ready April 1st. Per bunch, 40c, postpaid. Ten bunches, \$3.00, postage extra; weight about 6 lbs.

Bunch Onion. The best green Bunch Onions from seed are grown from White Lisbon, producing tender, long, white tops. If hilled a little the green and white stalks may be consumed entirely. Does not get tough like the White Welch or Wintop. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

He-Shi-Ko. (Green Table Onion). 50 days. An early bunch onion that can be sown either spring or fall. A tall type which never forms a bulb. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.40.

FOR FALL PLANTING

Yellow Multipliers. Especially valuable for the first early spring onions. They are very mild and sweet, and there are usually several stalks from a single bulb. Lb., 35c; 2 lbs., 65c; 5 lbs., \$1.50; 10 lbs., \$2.75.

Egyptian or Red Perennial. For fall planting only. This variety never forms a large bulb; its value lies wholly in its special adaptability to produce green onions for spring or fall use which are perfectly hardy and stay in the ground all the time. We sell in fall only, to be planted for early spring crop. Lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 10 lbs., \$1.75.

Close Cousins of the Onion

Garlic Sets

Selected Bavarian. In about 110 days. Garlic is grown by planting the small bulbs in rows, 4 inches apart in the row. Cover the bulbs with one inch of soil. When the tops turn yellow, lift the bulbs and dry in the shade. To keep for the winter, hang in strings in a dry basement. Lb., 65c; 10 lbs., \$6.00. Postage extra. Write for latest market prices on quantities.

Chives

A perennial herb, a member of the onion family which every garden should grow. The slender, tubular leaves have a delicate onion flavor, just enough to season a green salad when the chopped-up leaves are used. The leaves are used for seasoning. The flowers are a beautiful lavender. Pkt., 15c; ½ oz., 35c; oz., 65c.

Leeks

Leeks are better if transplanted. Use a dibber, set the plant deep in the hole and do not fill it up but let the soil wash in. Leeks are cousins of the onions and their flavor is subtly different when used in stews. All varieties mature in about 130 days.

★**Elephant.** Largest of all leeks. Pkt., 10c; ½ oz., 30c; oz., 50c.

Large Musselburg. Enormous broad leaves, mild flavor. Good exhibition sort. Pkt., 10c; ½ oz., 30c; oz., 50c.

Broad Scotch or London Flag. Hardy; a strong plant, with broad leaves. Pkt., 10c; ½ oz., 30c; oz., 50c.

Large Carentan. Pkt., 10c; ½ oz., 30c; oz., 50c.



LEEK ELEPHANT. Pkt., 10c.

VICTORY GARDEN MANUAL

By JAMES H. BURDETT

Fifty graphic illustrations, 4 full page color plates, 128 pages, \$1.75. This intensely practical book embodies the experience of the first Victory Garden year and gives complete instructions for planning, planting and maintaining a Victory garden which will supply food in profusion but without waste, and of maximum nutritive value. Tells how to apply in your garden the latest discoveries of science.

Bred for Your Soil

ONIONS

PLANT breeders select for parents, specimens which do well in their breeding grounds. If bred in Illinois, the progeny of these plants will be resistant to Illinois hazards, and will have a liking for similar soil and climate.

Because of this we breed all our onions in Illinois, so we can know that our strains are adapted to the conditions of soil and weather which prevail in the great area lying east of the Rocky Mountains to the Atlantic Ocean, where our seed is chiefly grown. Liking for this environment is bred into our onion strains.

Quantity needed to sow: 25 ft., 1 pkt.; 125 ft., 1 oz.; acre, 6 lbs.

Sow with the earliest crops, in rich soil, in drills $\frac{1}{2}$ inch deep. Thin to 4 inches apart, using discs in green stage. Water when needed. Harvest after tops shrivel and dry in the sun, store in a dry place.

WINTER KEEPERS

★Golden Globe ¹¹⁵ days.

An exceptionally fine yellow globe onion of superior weight. When grown as a dry onion its keeping quality is superior, making it very desirable for the home and market gardener. Has a very deep globe, carrying its greatest diameter well up from the root. Has 3 skins for protection and from seed matures same time as Southport Globe. From sets it matures much earlier. It is a heavy yielder and a fine keeper. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.45.



Golden Globe. Pkt., 15c.

★Southport Yellow Globe. ^{Ball type. In} about 110 days.

For growing on muck soil, this is the best keeping strain we have been able to develop in years of growing and selecting. This is the most uniform strain and will keep in storage longer than any other we know. It is preferred by large onion growers. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.45.

Southport Red Globe. About 110 days. A little deeper than Southport Yellow Globe, in color a rich dark red. A wonderful keeper with finely bred neck and a heavy yielder. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.45.

100 days.
★**Vaughan's Special Yellow Globe.** ("MOUNTAIN" DANVERS.) Slightly smaller than Southport. When aphid damages the late onion crop it does not harm this variety, due to early maturity. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.45.

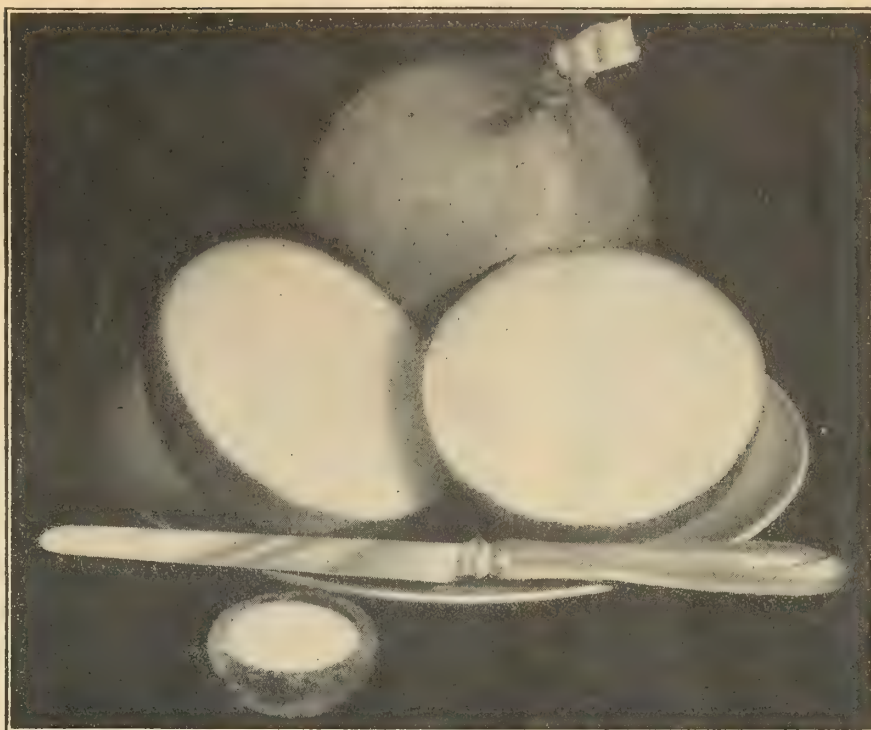
Large Red Wethersfield. About 100 days. An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round, somewhat flattened bulb of purplish white flesh. Moderately fine grain and mild flavor. In poor soil it does best, growing a thinner neck than in strong soil. It is standard in its class in the south and southwest. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.45.

Fancy Yellow Globe Danvers. About 110 days. This is early, almost true globe-shaped, beautiful yellow skin, pure white flesh, of very fine quality. It has a good size, and a fine thin neck. Vaughan's strain is so near to globe shape that it passes for globe on the market. The crop ripens uniformly at one time, and its keeping quality is excellent. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.45.

Brigham Yellow Globe Onion. 110 days. A strain of Southport Yellow Globe. While not as uniform in shape, it is among the best in production and keeping qualities. It may be grown successfully on either muck or heavy soil. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.45.

Ohio Yellow Globe. In 110 days. Of uniform shape, beautiful color and fine size, it out-classes the old type Yellow Globe Danvers. Its finely bred neck, large size, solid flesh of mild sweet quality, uniform growth, heavy yielding and superb keeping quality have made it a favorite. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.45.

Vaughan's Ideal White Globe. About 110 days. A strikingly handsome onion; very early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.45.



VALENCIA SWEET SPANISH ONION, WHITE. Pkt., 15c.

SPANISH TYPE ONIONS

★Valencia Sweet Spanish. Utah Strain.

Matures in about 110 days. Here is a mild, sweet, giant onion of the true Spanish type, which you can grow from seed in your own garden. From seed it will produce onions weighing a pound; if started in the hotbed, two pound specimens can be grown. It comes in two colors, yellow and white, both alike otherwise. These onions are delicious at all stages of growth.

White or Yellow (specify color desired). Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

Riverside Sweet Spanish. ^{110 days.} Yellow or White.

This is a California grown strain of the Spanish (Denia) onion. It is the most popular onion in Southern California and when grown as a specimen attains enormous size, 4 to 4 $\frac{1}{2}$ pounds. In color it has a cream or pale yellow tint. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

Prizetaker—American Grown. ¹⁰⁵ days.

Of the same type as the large Spanish onions, Prizetaker is a yellow globe that matures to great size under right conditions; it should be started early in hotbed. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

BERMUDA TYPE

Crystal White Wax. In about 90 days. This is a pure white flat onion, very popular in the south, especially in Texas. Will make but small onions in the north. Very sweet. Tender seed. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.40.

SOUTHPORT YELLOW GLOBE. Pkt., 15c.

Onion Seed of Flat and Pickling Types

Quantity needed for 25 ft., 1 pkt.; 125 ft., 1 oz.

White Portugal or Silverskin. About 100 days.

This is a splendid sort for growing white onion sets, pickles and for early bunching green onions. A medium size bulb, flat shape, has fine mild flavor, and is best of the white onions for keeping. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 70c; $\frac{1}{4}$ lb., \$1.85.

Brown Australian (Flat). About 100 days.

A very desirable onion of medium size, with amber brown skin and solid white flesh. It is early, a heavy yielder and a long keeper; keeps well in warm climates. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.40.

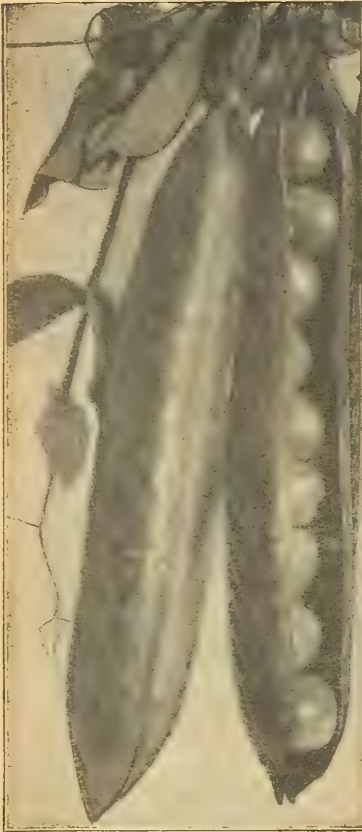
Ebenezer. In 100 days. There has been a tremendous demand for this yellow skinned onion for the growing of Onion Sets. Ebenezer is a fine keeper, mild and well flavored. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.40.

ITALIAN ONION SEED

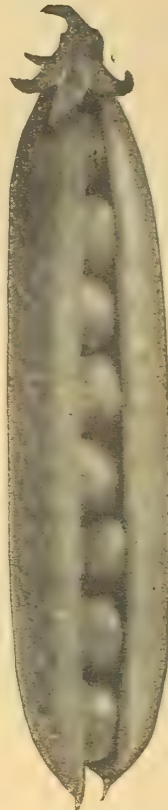
Vaughan's Pickling. About 90 days. One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin. Excellent for green onions. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 70c; $\frac{1}{4}$ lb., \$1.85.

PEAS

For a Long, Quality Harvest



LITTLE MARVEL



LAXTON'S PROGRESS



GIANT STRIDE

Eat Your Own Peas Six Weeks for 25¢

IN sections where spring is late, and hot weather arrives soon after, best results with peas are obtained by sowing an early, midseason and late variety all at the same time. We recommend the varieties below for this purpose.

Sow in Early Spring

LITTLE MARVEL—Dwarf, Early

GIANT STRIDE—Dwarf, Main Crop

DWARF DEFIANCE—Dwarf, Late

1 Pkt. of each (3 pkts.),.....25c.

½ lb. of each (1½ lbs.),.....50c.

1 lb. of each (3 lbs.),.....85c.

Tall Peas

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequalled for length of season, heavy yielding and high quality. Support should be given and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

★Vaughan's Improved Telephone.

74 days. Of the tall-growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Everbearing. About 74 days. For late summer and autumn; very prolific variety. Pod about 3 inches long, with large peas of good quality. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.25.

EDIBLE POD PEAS

(Cooked like String Beans)

Dwarf Gray Sugar. About 65 days. Vines 16 inches. Pkt., 10c; lb., 45c; 2 lbs., 85c.

MEDIUM HEIGHT

A HEAVIER yield without sacrificing quality is obtainable from the varieties of peas which require some support. The varieties listed below grow to three feet high and should be given support of chicken wire or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much, will be found to be of good table quality.

World's Record or Improved Gradus.

60 days. Gradus is the greatest of the wrinkled peas; it is large, early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 10 or more rich, tender peas in each. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Thomas Laxton. About 62 days. This is a selection of Gradus. The season is identical, but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. A better yielder than Gradus. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c.

Alaska—Called Earliest of All. In about 57 days. Alaska and "Maud S." are in all but color the same; Alaska seed is bluish in color; it is standard for market and canning. Pkt., 10c; lb., 35c; 2 lbs., 65c.

Inoculate Seed Peas

To Stimulate growth, use culture of nitrogen secreting bacteria. Garden size, sufficient for 5 lbs. of seed, of peas, beans and sweet peas, 10c.

PEAS are rich in sugar, which begins to turn to starch when they are picked; thus home gardeners alone can enjoy this crop at its best.

Where hot dry summer weather cuts short the crop, the problem is to get the heavy yield, large size and sugar content of the late sorts into early yielding varieties which will bear a crop before the summer's drought arrives. Our strains are selected for these qualities. Quantity needed for 100 ft., 1 lb.

Sow smooth seeded with earliest crops, wrinkled peas two weeks before frost proof date. Sow 2 inches deep, two inches apart in row, or in twin rows, 6 inches apart, with support between. Crop must mature before hot weather.

DWARF

★**Little Marvel.** 64 days. The most satisfactory pea in the average home garden. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches, pod dark green, well filled. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Giant Stride. 74 days. Pea blight is a wilt affecting peas when they are planted too often in the same ground. You will find the new Pea Giant Stride nearly 100% resistant, as well as of top quality and a heavy yielder. It makes a vine 16 to 18 inches tall, dark green, with pods longer than Laxton's Progress and better filled with peas of excellent flavor. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

★**Early Gilbo.** 72 days. A new pea from one of our oldest pea growers. Rogers Brothers have perfected what they consider one of their best market garden varieties and have named it after one of their oldest breeders. Vine 24-28 inches tall, very dark and heavy. Pod 4½-5 inches long by ½ to ¾ inch wide, of the Dwarf Alderman type. Season 69 days. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Nott's Excelsior. In 62 days. Almost as early as the round seeded varieties, but far superior to them in quality. Vines about 15 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

★**Century of Progress.** Matures in about 76 days. This is a vigorous growing, heavy yielding variety which bears large, wrinkled peas of the very highest table quality in greater profusion than other varieties of equal quality. It grows 20 inches tall, with heavy foliage of a dark green, and dark green pods 4½ inches long. It is an excellent home garden variety. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Laxton's Progress. 62 days. The earliest and by far the best of the large-podded, large-fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Hundredfold. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Hundredfold. About 62 days. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, has large pods like "Telephone," which are filled with the finest flavored peas. Hundredfold is in season a few days later than the first earlies. It excels in size, appearance and productiveness. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Premium Gem. 64 days. An extra early old type garden pea that could well be replaced by Nott's Excelsior or Little Marvel, as they are superior. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Dwarf Telephone or Daisy. About 76 days. A mid-season maturing sort of merit; vines are dwarf and bear large, bright green pods, each containing 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

American Wonder. 61 days. Among the oldest of the home garden peas it is being superseded by Nott's Excelsior and Little Marvel. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Dwarf Defiance or Stratagem. About 79 days. Pea growers cannot afford to overlook this splendid main crop success; it is without a superior, a grand second early. The vines are vigorous, the pods dark green and immense in size and fullness, like "Telephone." The handsome pods are filled with peas that are sweet and rich flavored. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to and including 2 pounds. For postage charges on larger lots, see Page 106.

IRISH POTATOES

Owing to complexities of the price regulations governing Irish potatoes, we quote no prices in this catalogue, but will gladly quote prices on request for delivery on a specified date.

SWEET POTATOES

Sweet potatoes will be shipped either from 601 W. Jackson Blvd., Chicago, or from our farm in Southern Illinois all by express at purchaser's expense. We offer: Yellow Jersey, Nancy Hall and Porto Rico. 10 lbs., \$1.50; 25 lbs. and over, 14c per lb.

SWEET POTATO PLANTS

All orders for Sweet Potato plants will be shipped from our Southern Illinois farm, direct to the purchaser and no plants will be shipped C.O.D. Orders for 1000 or less will be sent by mail postpaid, all orders for more than 1000 will be shipped express at purchaser's expense. Varieties: Yellow Jersey, Nancy Hall and Porto Rico, 100 plants, \$1.25; 200, \$2.00; 500, \$3.75; 1,000, \$6.50; by express per 1,000, \$6.00.

Our method of packing should insure safe arrival of plants in good condition. If larger quantities than quoted above are wanted, ask for special quotation.

Plants will be ready for shipment in the southern districts about April 15th, and for northern districts about May 15th to June 15th.

TREAT WITH QUICK, EASY SEMESAN BEL DIP FOR LARGER POTATO CROPS

A one minute dip in Semesan Bel solution will reduce scab and rot, even when used on clean seed potatoes. Increases in yield usually result. Directions for treatment are supplied. One pound treats 60 to 80 bushels. Prices of Improved Semesan Bel: ceiling prices, 2 oz., 30c; 1 lb., \$1.65; 4 lbs., \$5.70; 25 lbs., \$33.25; 100 lbs., \$125.00.

To Plan Home Vegetable Garden

TO AVOID waste, save money and work, and reap the greatest harvest possible from your Victory Garden:

- 1—Grow vegetables your family likes, in quantities which you can use.
- 2—Provide a continuous harvest through the garden season in your locality, with a substantial surplus for winter canning.
- 3—Place emphasis on the protective foods, rich in vitamins, which are especially needed under a rationed diet to avoid malnutrition.

Plan for All Season Harvest

Many vegetables have a short harvest period. Your sowings of these must be divided into two, three or more plantings, to spread the harvest throughout the season.

Below we give the approximate time that one sowing will remain in top condition after harvest begins. Plan your second sowing so that when this period is ended, a succession crop will be ready.

Crop	Harvest Lasts
Beans	4 weeks
Beets	6 weeks
Carrots	8 weeks
Cucumbers	4 weeks
Endive	6 weeks
Lettuce	6 weeks
Kohlrabi	3 weeks
Turnips	2 weeks
Spinach	2 weeks
Sweet Corn	10 days
Onion Sets	4 weeks
Peas	2 weeks
Radish, early	1 week
Radish, midseason	2 weeks
Radish, winter	6 weeks

Big and Small Pumpkins

SOW when the ground is warm and give the plants room to ramble. The partial shade of the sweet corn plot is ideal. A few hills will provide amply for pies and jack-o'-lanterns.

Autumn, Bush, or Everbearing. In 100 days.

For the first time we offer a genuine bush form pumpkin, a boon for the home garden where space is limited. On a bush similar to that of Italian marrow, requiring a space 4 ft. square, it bears small pumpkins, excellent for pies. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

★Vaughan's Small Sugar Pie Pumpkin.

110 days. Well known as the best pie pumpkin. The fruit is small to medium size, with solid fine grained flesh, and a sweet, sugary, delicious flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.



SMALL SUGAR PIE PUMPKIN. Pkt., 10c.

Cushaw. 110 days. We offer three strains, White, for pies, having no seeds in the neck, all being confined in the enlarged portion near the blossom end. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.



PUMPKIN "BIG TOM" Pkt., 10c

★Large Field or "Big Tom." 110 days. The standard pumpkin grown in corn fields for a feeding crop. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.40.

★Vaughan's Mammoth Prize. In about 120 days. Specimens have grown to 100 lbs.; notwithstanding, it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a long season and plenty of room (one plant to a hill). Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.25.

Winter Queen or Winter Luxury. In about 100 days. A quality pie pumpkin and the best winter keeper. Nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Colonial Pie. About 110 days. Fine quality, good keeper. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Large Cheese. About 110 days. Large, flat like a cheese box. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.40.

Kentucky Field. In 120 days. Medium size, oval shaped, lemon-yellow color. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.40.

Basic Vegetable \$1. Garden

11 Varieties—Value, \$1.45
Prepaid

THIS collection provides the minimum planting of protective foods which should be made for a family of four. It includes the vegetables which combine highest nutritive values with ease of culture, except tomatoes, for which plants started early under protection may usually be obtained at planting time. Each of these vegetables **SHOULD BE GROWN AND EATEN** to maintain health, and all surplus should be preserved for winter **WHILE IT IS YOUNG, FRESH and DELICIOUS.** With each collection will be sent a suggested planting plan to give all-season yield.

11 Items, as follows, value \$1.45, prepaid \$1.00. Catalog Value

½ lb. Green Pod Bush Bean	25c
1 pkt. Swiss Chard	10c
1 pkt. Leaf Lettuce	10c
1 pkt. Carrot	20c
1 pkt. Parsley	10c
1 pkt. Beet	15c
1 pkt. Radish	10c
1 pkt. Wax Pod Bean	10c
1 pkt. Turnip	10c
1 pkt. Onion	15c
1 pkt. Bush Lima Bean	10c

Catalog Value \$1.45
Collection prepaid in U. S. A. for \$1.00

Produce Without Waste

Grow the vegetables your family will eat and put up for winter, and no more. Below shows the space in a garden row which should produce one serving for a family of four. Estimate the number of times each week you would like each vegetable to appear on your table, then plant to produce all needs.

Snap Beans	1 ft.	Kohlrabi	2 ft.
Lima Beans	2 ft.	Leeks	2 ft.
Beets	1 ft.	Lettuce, Leaf	1 ft.
Broccoli	1 ft.	Spring Onions	1 ft.
Brussels	½ ft.	Parsley	½ ft.
Sprouts	1 ft.	Parsnips	2 ft.
Cabbage	2 ft.	Peas	3 ft.
Chinese	1 ft.	Peppers	1 ft.
Cabbage	1½ ft.	New Zealand	1 ft.
Carrots	2 ft.	Spinach	½ ft.
Cauliflower	2 ft.	Radish	1 ft.
Celery	1 ft.	Rutabaga	2 ft.
Collards	1 ft.	Salsify	2 ft.
Sweet Corn	4 ft.	Spinach	3 ft.
Cucumbers	2 ft.	Squash	3 ft.
Egg Plant	1 ft.	Swiss Chard	½ ft.
Endive	1 ft.	Tomatoes	½ ft.
Kale	1 ft.	Turnips	1½ ft.

RADISH

Sow Early and Often



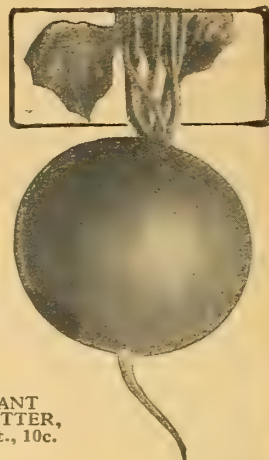
EARLY SCARLET GLOBE SELECT



IMPROVED FRENCH BREAKFAST



SCARLET TURNIP. WHITE TIP.



GIANT BUTTER, Pkt., 10c.



ICICLE, Pkt., 10c.

RADISHES from April to December are possible for the home gardener who sows early, midseason, summer and winter types.

Radishes supply, in a 2 oz., portion, 6 I U of Vitamin B₁, 11 milligrams of Vitamin C, 0.01 milligram of Vitamin B₂. Sow them thinly with slow germinating seeds such as carrots, parsnips, and parsley and harvest the radishes before the companion crop begins to mature. Make frequent sowings of the early types a week's supply at weekly intervals.

Our strains are grown with the greatest care, which involves considerably increased cost, but the additional cost is small compared with the great difference in your crop.

Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool, moist fall weather. Quantity needed for 15 to 20 ft., 1 pkt.; 75 ft., 1 oz.

Sow with earliest crops, 1/2-in. drill, 5 seeds to the in. Sow early types one week's supply at a time, at weekly intervals. Mix with parsnips, parsley and carrots, to mark the row. Harvest when large enough to eat. Summer and winter types have longer harvest.

★**Early Scarlet Globe Select.** (F.) 20 days. Vaughan's Glasshouse Strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright scarlet in color, of uniform globe shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.

Short Top—Pkt., 15c; oz., 25c; 1/4 lb., 50c; lb., \$1.50.
Medium Top—Pkt., 10c; oz., 20c; 1/4 lb., 45c; lb., \$1.25.

★**Scarlet Turnip White Tip.** 26 days. Vaughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color with white tip, and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate.

Vaughan's "Sparkler" Strain for Open Ground. Pkt., 10c; oz., 20c; 1/4 lb., 45c; lb., \$1.25.

★**Icicle.** 25 days. The finest white, which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 10c; oz., 20c; 1/4 lb., 45c; lb., \$1.25.

Saxa. (F.) 20 days. This is a European variety which has become very popular in the United States. It is one of the very earliest radishes and slow to run to seed. The tops are very small, the radishes are round and bright scarlet. We recommend it for the first planting in the garden, and also for forcing in hotbed and greenhouse. Pkt., 10c; oz., 20c; 1/4 lb., 45c; 1 lb., \$1.25.

Vick's Scarlet Globe. An olive shaped Scarlet Globe Radish maturing in 20 days. Remains firm and tender. Pkt., 15c; oz., 25c; 1/4 lb., 50c; lb., \$1.50.

★**Giant Butter.** 28 days. By far the largest of the early turnip radishes. In rich soil it will produce crisp, spicy, tender roots of perfect globe shape two inches in diameter, only a week later than the smaller globe types. It is usable for a much longer season before it begins to turn pithy, and by planting a succession of crops it can be enjoyed throughout the summer. It is seldom found in the market and will make your friends talk. Pkt., 10c; oz., 20c; 1/4 lb., 50c.

White Box—(Early White Turnip). 20 days. Our earliest white radish. Turnip-shaped, short top and a rapid grower—crisp. Pkt., 10c; oz., 25c; 1/4 lb., 60c.

Early Long Scarlet Short Top. 28 days. A long, straight, smooth, red radish; it grows partly above ground, developing a long, tender, crisp and sweet root. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Crimson Giant. (F.) 28 days. For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow thinly. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Brightest Long Scarlet. 28 days. This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Matures in 25 days. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Improved French Breakfast. (F.) 25 days. Early olive-shape 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Cincinnati Market. 30 days. A long red radish, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Early Deep Scarlet Turnip. 26 days. An old standby. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

HOME CANNING

The Pocket Book of Home Canning by Elizabeth Beveridge. Complete instructions for: Canning, Preserving, Quick Freezing, Pickling, Storing, Drying.

In home gardens, the second early varieties Giant Butter and Icicle are favorites. They are large enough to use as quickly as early types, but give twice as long a harvest before they begin to turn pithy.

Long Season Radish Mixture. 1/2 oz. pkt., 15c.

This is a mixture composed of equal parts of the following early midseason and late varieties: Scarlet Globe, Giant Butter, Icicle, Brightest Long Scarlet, and White Stuttgart. Sow thinly in the row, and harvest as they mature. This mixture will provide an interesting assortment of radishes for the table, spread over two months of harvest.

SUMMER RADISHES

When hot weather comes and spring varieties would turn pithy or run to seed, the varieties listed below will keep in good condition for a long time and furnish a most welcome tang to the salad course. Note that they mature more slowly, so sow them early enough. All of the following:

Price, pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.
White Stuttgart. About 45 days. A turnip shaped large white radish.
White Strassburg. About 40 days. Larger size and thicker than Vienna. Very solid.

WINTER RADISHES

These should be sown from late in June to August, to produce the final radish crop. They grow largest of all and can be stored for some time after the ground is frozen. In spite of their size they are mild and of fine texture.

Each of the following, pkt., 10c; oz., 25c; 1/4 lb., 60c; lb., \$1.65.
California Mammoth Winter. About 60 days. Long, very large size.
Rose or Scarlet China. In about 52 days. Rose medium size, fine keeper.
Chinese Mammoth or Celestial. About 60 days. Immense size, flesh always crisp and mild.
Black Spanish, Long. In 58 days. Black skin and white flesh.
Black Spanish, Round. In 56 days. Like Long Black, only round.
(F.) Forcing Sorts.

The Pocket Book of Vegetable Gardening by Charles H. Nissley

How, when, and what to plant. The latest practical, scientific advice on growing food for home use. Includes specially prepared charts showing Vitamin Contents and Nutritional Values as well as specific instruction for raising each vegetable. 244 pages illustrated; 30c by mail; 25c over the counter.

★Varieties designated by a star as illustrated on this page are recommended as of especially fine strains and suited to the home garden.

BRIGHTEST
LONG
SCARLET

VITAMIN-RICH GREENS

Essential for Good Nutrition

Swiss Chard BEARS ALL SUMMER

★**"Cut and Come Again."** 45 days. This vegetable gives maximum returns for little care and space; it yields a constant crop from July to Winter. The leaves are used for greens the same as spinach or beet tops. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches in the rows. The leaves grow very large. Cut the leaves off and new ones grow quickly. As it grows, thin out for use and keep clear of weeds. Leaflet of recipes enclosed upon request. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Lucullus Swiss Chard. About 55 days. A new Moss Curled sort. Very large leaves. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Large White Rib. (Dark Green). The leaf is large, smooth, dark green on a long fleshy stem, 1 to 2 inches wide. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Fordhook. This variety resembles Lucullus, but is a darker green. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Rhubarb Chard. A recent introduction having all the chard characteristic excepting color. It has dark green, heavily crumpled leaves and crimson stem and mid rib. Pkt., 10c; oz., 35c; ¼ lb., 95c.

NEW ZEALAND SPINACH

★**New Zealand Spinach.** *Tetragonia Ex-pansa.* 60 days. While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Sow as soon as the garden is prepared in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.



EXCELSIOR MOSS CURLED KALE. Pkt., 10c.

Kale or Borecole

Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later. Frost improves flavor.

Dwarf Green Curled Kale. In about 55 days. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in south find ready sales in the north. Pkt., 10c; oz., 30c; ¼ lb., 90c.

Vaughan's Excelsior Moss Curled Kale. Ready in about 55 days. Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. Pkt., 10c; oz., 30c; ¼ lb., 90c.

Tall Green Curled. About 60 days. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

Siberian. In 65 days. Plant dwarf, spreading and very hardy. Pkt., 10c; oz., 30c; ¼ lb., 90c.

NEW FAST GROWER

Tendergreen. A new variety of greens, producing only a small root, but large dark green leaves having a small rib. It is ready for table or market in 21 to 25 days and will produce 8 to 9 crops a year. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

GARDEN SORREL

Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but should be divided every four years. Pkt., 15c; oz., 75c.

TAMPALA

A Chinese plant used for greens which grows and bears all summer. Pkt., 15c; 2 for 25c.



SPINACH—KING OF DENMARK. Pkt., 10c.

Spinach

SPINACH delights in cool, moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety, listed below, is most free from this tendency. Home gardeners have generally adopted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. The value of spinach in the diet has been scientifically established by the vitamin investigation.

★**Nobel Giant Thick Leaved.** 45 days. This thick-leaved variety produces the largest spinach under cultivation. It grows rapidly and remains in good condition a long time. The medium-green leaves are large, rounded, slightly crumpled, succulent and tender. It is an excellent home garden spinach. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Viking.** 45 days. This 1935 All-America winner bears largest leaves of the thick-leaved type, and is almost as long standing as King of Denmark. Its leaves are smooth to slightly crumpled, dark green, and of excellent quality for home and market. Pkt., 10c; oz., 20c; ¼ lb., 50c.

King of Denmark (Antvorskov). 48 days. This variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes), compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Bloomsdale Long Standing. 45 days. Latest of the Long Standing Spinach introductions. Improvement was accomplished through the selection of hermaphrodite plants (bisexual), which run to seed much more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark), having larger, Savoy type leaves. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Bloomsdale Dark Green. 43 days. The leaf is savoyed, or crinkled, and of a darker green than Bloomsdale Long Standing. The dark color is preferred in some markets. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Old Dominion. 40 days. The same as Virginia-Blight-Resistant in type and quality. Will eventually take the place of Virginia because of its long-standing qualities, which permit early fall planting. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Vaughan's Special. In 43 days. An early, smooth leaved spinach, being more upright in growth than other spinaches and nearly a long standing variety. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Prickly Seeded Hollandia. 43 days. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Bloomsdale or Norfolk Savoy-Leaved. (Discontinued). Use Bloomsdale Dark Green or Long Standing. Pkt., 10c; oz., 20c; ¼ lb., 50c.



FORDHOOK SWISS CHARD. Pkt., 10c.

MUSTARD

Leaves useful as salad or boiled like Spinach. Matures in 30 days.

Chinese Smooth. Large, light green, smooth leaves, borne well above the ground. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Florida Broadleaf. Upright growing, deep green leaves, fairly smooth. Desirable for greens because of the ease of preparing and its pleasant pungent flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Giant Southern Curled. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Improved Ostrich Plume (Fordhook). The handsomest of the mustards. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

White London. Good for general use. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

SQUASH

For Summer and Winter



REAR, LEFT TO RIGHT, ACORN, BUTTERCUP, BUTTERNUT. FRONT, SWEET POTATO IMPROVED.



BLUE HUBBARD SQUASH
Pkt., 10c; oz., 35c; ¼ lb., 85c.

Sow one inch deep, in light soil, sunny location. Space bush types 3 feet apart in row, vine types in hills six feet apart, 3 plants to hill. Use summer squash at any size, delicious in baby stage.

VINE TYPE

★Acorn, Table Queen, or Des Moines.

Specify Green or Golden. Matures in about 58 days. In size equals a cocoonut, and a half, baked, serves one person amply. Our new strain is somewhat larger than the old with rounded, instead of pointed end. The shell is usually thin and it does not require over twenty minutes for baking or boiling. The color is dark green, even after picking and storing. The meat is dry and mealy. It yields enormously—a few hills furnishing an ample supply for a good sized family. Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., \$2.50.

100 days. Its quality has no equal. ★Butternut. The seeds are centered in blossom end and the rest of the interior is heavy flesh. A winter keeper. Pkt., 15c; oz., 35c; ¼ lb., 90c.

★Butternut. 100 days. All the seed is contained in a small cavity at the power end so that ninety percent of its heavy fruit (12 inches long) is exceedingly sweet, firm orange flesh. Pkt., 15c; oz., 50c; ¼ lb., \$1.50.

Sweet Potato Improved. (Delicata Resistant.) 100 days. Its vigorous vine, resistant to mosaic disease, produces fruits averaging 8 to 9 inches, 3½ to 4 inches in diameter. Cream skin is marked by green stripes; flesh thick, orange and of unsurpassed sweetness. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

“Kitchenette” (Hubbard). 110 days. Named “Kitchenette” because it is the smallest Hubbard, about 5 pounds. It is a glossy dark green, Pkt., 10c; oz., 35c; ¼ lb., 95c.

Delicious. In 110 days. Specify Green or Golden. A fall and winter variety. The fruit varies from 5 to 10 pounds each. (Cucurbita Maxima.) Pkt., 10c; oz., 35c; ¼ lb., 85c.

★Vaughan's Chicago Warded

Hubbard. 110 days. Vaughan's Chicago Warded Hubbard Squash has been bred to the highest quality; fruits are large, skin, rough dark green, flesh, bright orange, fine grained, rich and dry. (Cucurbita Maxima.) Pkt., 10c; oz., 35c; ¼ lb., 85c.

★Blue Hubbard. 110 days. A third larger than Chicago Warded and more prolific. We believe that it is superior in yield, quality, size and keeping. The blue-gray shell is more attractive and many prefer it. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Original Hubbard. In 110 days. Not as large as Chicago Warded, but in shape and quality it is similar. Flesh is sweet and fine grained, and fruits keep well in winter. A favorite with the farmers. Pkt., 10c; oz., 35c; ¼ lb., 85c.



Left to right in rear, New Italian Marrow, light green strain; New Italian Marrow, dark green strain, Prolific Straightneck, Giant Yellow Summer Crookneck, Cocozelle, Vegetable Marrow. In front, Mammoth White Bush.



KITCHENETTE

Pkt., 10c.

BUSH TYPE

Prolific Straightneck. 55 days. Excels in tenderness, color, and productiveness. Served when about 6 in. long, it is delicious. Pkt., 10c; oz., 30c; ¼ lb., 75c.

Mammoth White Bush. About 60 days. An improved selection of “Early White Bush,” much larger and deeper, has fewer scallops, and is a heavier producer. (Cucurbita Pepo.) Pkt., 10c; oz., 30c; ¼ lb., 75c.

Early White Bush. About 55 days. Pkt., 10c; oz., 30c; ¼ lb., 75c.

Giant Yellow Summer Crookneck. In about 55 days. Our strain produces fruit nearly double the size of the old “Crookneck.” (Cucurbita Pepo.) Pkt., 10c; oz., 30c; ¼ lb., 75c.

Banana Squash. In 105 days. Of sweet potato quality. 12 inches long, 6 inches in diameter. Gray-green. Pkt., 10c; oz., 35c; ¼ lb., 80c.

Yellow Summer Crookneck. Pkt., 10c; oz., 30c; ¼ lb., 75c.

VEGETABLE MARROWS

★New Italian Marrow. 60 days. (Zucchini) 18 in. long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small; if kept picked, it will continue to bear until frost. Delicious in the “baby” stage 3 to 6 inches long.

Light Green Strain. Pkt., 10c; oz., 30c; ¼ lb., 85c.

Dark Green Strain. Pkt., 10c; oz., 30c; ¼ lb., 85c.

Cocozelle (Italian Vegetable Marrow). Ready in about 65 days. A bush variety. Fruits oblong ribbed, 2 ft. in length. Color dark green with yellow and darker green stripes. Very fine flavor. Pkt., 10c; oz., 30c; ¼ lb., 85c.

Zucca de Pergola. About 110 days. (Cucurbita Pepo.) Grows 3 feet in length and 3 inches in diameter. Pale green in color. Used by Italian for slicing and frying like egg plant or baking stuffed with meats. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

Vegetable Marrow. About 100 days. (Cucurbita Pepo.) The fruit is generally eaten when less than half grown, as the flesh is then very tender. Also an excellent winter keeper when mature. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Turnips

TURNIPS are cool weather plants and thrive best in Spring and Fall. For early use seed should be sown as soon as the ground can be prepared it will give roots large enough for the table in six to ten weeks. For the Fall crop seed should be sown June 1st to August and the plants will grow until freezing weather, when they should be harvested and stored.

★Purple Top White Globe

57 days. Originated from “Purple Top Flat Turnip,” is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe-shaped, fine appearance, a good keeper. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Purple Top Strap-Leaved.

About 4 days. A table variety, fine, tender and deliciously flavored. It is broad shaped; medium size, white flesh, fine grain, splendid quality. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Golden Ball or Orange Jelly. About 65 days. Medium size, globular table turnip. Flesh yellow sweet. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Early Snowball. In 40 days. Small, white, splendid quality. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Early White Milan. In 42 days. This can be used Spring or Fall. The skin is smooth, snowy white; has a polished appearance; medium size, white, tender sweet. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Shogoin. 30 days. A turnip used principally for greens. The root is small but the top is like mustard tops. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Seven Top. 30 days. A variety much grown in the south for the tops, which are used as greens. Pkt., 10c; oz., 15c; ¼ lb., 25c.

Large Yellow or Amber Globe. In 76 days. Fine quality and sweet. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Extra Early Purple Top Milan. About 42 days. An excellent medium size turnip; white flesh. Pkt., 10c; oz., 15c; ¼ lb., 35c.

TURNIPS FOR STOCK

Cow Horn or Long White. In 70 days. Grow nearly half way out of the ground, carrot-shaped pure white. Oz., 15c; ¼ lb., 35c; lb., \$1.00.



PURPLE TOP WHITE GLOBE. Pkt., 10c.

No. 1 Home Garden Crop

TOMATO

Wilt Resistant Strains

***Rutgers.** In 86 days. New Jersey Experiment Station cross on Marglobe. One of heaviest croppers. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

Rutgers certified. Pkt., 15c; ½ oz., 40c; oz., 75c.

***Pritchard (Scarlet Topper).** 76 days. The fruit is solid, yield heavy and the color a brilliant red. It is a resistant second early of great merit. Pkt., 10c; ½ oz., 40c; oz., 70c.

Pritchard certified. Pkt., 15c; ½ oz., 45c; oz., 80c.

***Marglobe.** 77 days. Second-early, red-fruited variety suitable for trucking or canning. As early as Bonny Best, produces large, smooth, meaty, globular red fruits which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first class pulp. Pkt., 10c; ½ oz., 35c; oz., 60c.

Marglobe certified. Pkt., 15c; ½ oz., 40c; oz., 75c.

***Break O'Day.** 70 days. Developed by F. J. Pritchard, of Washington, D.C. A new wilt-resistant tomato that is nearly as early as Earliana and as productive as Marglobe. Its fruits are large, smooth, meaty, red and globular, very similar to Marglobe but usually larger. Used whole for salads or stuffed. Pkt., 10c; ½ oz., 40c; oz., 75c.

Break O'Day certified. Pkt., 15c; ½ oz., 50c; oz., 90c.

Grothen's Globe. 68 days. A selection from Break O'Day, having much heavier vines. Fruits red, globe shape, thick walls, firm, free from yellow color at stem end. Average 7 to 8 oz. Pkt., 10c; ½ oz., 45c; oz., 85c.

Early Baltimore. 73 days. Illinois University selection, thriving on all soils. Early Baltimore certified. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.

Scarlet Canner. 83 days. Highly productive, bright red fruits, smooth, globular and extremely solid. Similar to Greater Baltimore in shape and season. Pkt., 10c; ½ oz., 40c; oz., 75c.

EARLY, SMALL VINES

Do Not Prune.

***Bounty.** 60 days. Compact, small vine, not to be staked. Introduced by Dr. Harold Mattson. North Dakota Experiment Station. Excellent for the home garden, very productive. Pkt., 15c; ½ oz., 50c; oz., 90c.

Early Chatham. 60 days. Very early, rich red globe, fruits 1½x2 inches. Very prolific, vine small, about 1½ feet in diameter. Exceptionally good for northern districts. Pkt., 15c; ½ oz., 50c; oz., 90c.

***Firesteel.** 62 days. A small vine, large fruited tomato that is early, smooth, red through, of semi-acid flavor. For dry seasons there is nothing equal to it. It will set fruit when other types are dropping their blossoms. Pkt., 15c; ½ oz., 50c; oz., 90c.

EARLY, LARGE VINES

***Vaughan's Select Earliana.** 66 days. Large, smooth, bright red tomato. This variety is compact with stout jointed branches; the vines yield well and the fruit is of fine quality. Pkt., 10c; ½ oz., 45c; oz., 85c.

John Baer. About 70 days. Extra early red. Not quite so early as Earliana, though there is only a few days' difference. John Baer yields a much heavier crop of larger, more uniform and more attractive fruits. Most profitable extra early sort. Pkt., 10c; ½ oz., 40c; oz., 75c.

John Baer certified. Pkt., 15c; ½ oz., 50c; oz., 90c.

Bonny Best. 74 days. A shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 10c; ½ oz., 40c; oz., 75c.

Bonny Best certified. Pkt., 15c; ½ oz., 50c; oz., 90c.

June Pink. In 69 days. This is the earliest of the pink varieties and is similar in habit to the famous Earliana. Pkt., 10c; ½ oz., 40c; oz., 75c.

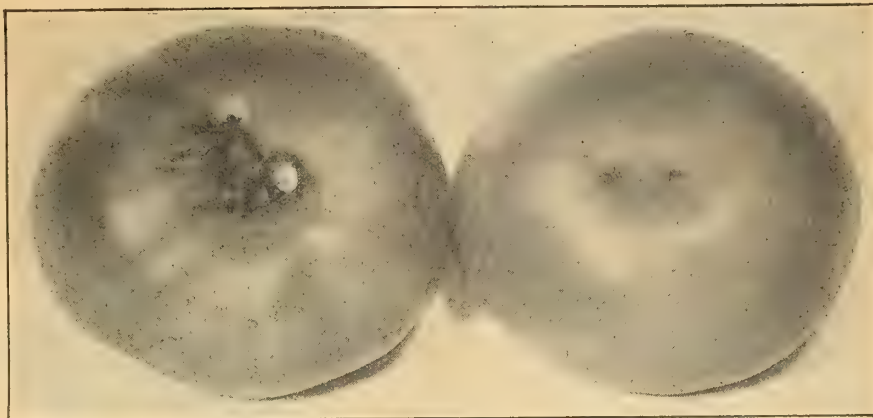
Chalk's Early Jewel. In 74 days. Pkt., 10c; ½ oz., 40c; oz., 75c.

Chalk's Jewel certified. Pkt., 15c; ½ oz., 50c; oz., 90c.

YELLOW TOMATOES

Orange King. 66 days. A small vine variety of true orange flesh and skin, not suitable for staking. It bears smooth fruits of medium size, thick flesh and mild flavor. Seed scarce. Pkt., 15c; ½ oz., 65c; oz., \$1.25.

Jubilee. 90 days. Won bronze medal, 1943. All America trials. Heavy producer of large globe fruits of mild flavor, few seeds. Best home garden yellow. Pkt., 20c; ½ oz., 50c; oz., 95c.



GIANT IMPROVED PONDEROSA. Pkt., 10c.

THE LARGEST TOMATOES

Ponderosa—Giant Improved. Matures in about 88 days. Of the large fruited varieties, this one is most popular. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight. Tomatoes grow in beautiful clusters. Improved strain is smoother and rounder. Pkt., 10c; ½ oz., 50c; oz., 95c.

Oxheart. Matures in about 90 days. Popular because of its shape, large size, and excellent table qualities. Not a heavy yielder but often weighs 3 lbs. Skin pink, almost seedless, firm, sweet flesh, slices well. Pkt., 15c; ½ oz., 65c; oz., \$1.25.

Giant Tree. 90 days. A "potato leaved" pink variety growing heavy yield of huge, smooth fruits. Pkt., 50c. See Novelty page 6.

Beauty (Purple). 82 days. Vines, vigorous and heavy bearers, fruit large, uniform; very smooth purplish pink skin; flesh light pink. Pkt., 10c; ½ oz., 45c; oz., 85c.

Crimson Cushion or Beefsteak. In about 96 days. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Plants are very prolific, fine appearance. Pkt., 10c; ½ oz., 50c; oz., 95c.

MAIN CROP

Early Detroit (Purple). In 80 days. Bears uniform, large, handsome, smooth fruit through the long season, yielding more market than Beauty. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

New Globe. Matures in about 82 days. This ball-shaped variety yields a heavy crop. The skin is a smooth, purplish pink. Uniform fruits. Pkt., 10c; ½ oz., 50c; oz., 95c.

Greater Baltimore (Indiana Strain). In about 83 days. Similar to Stone and very productive, fruits deep scarlet red often weighing 6 ounces; smooth and very solid. Pkt., 10c; ½ oz., 45c; oz., 75c.

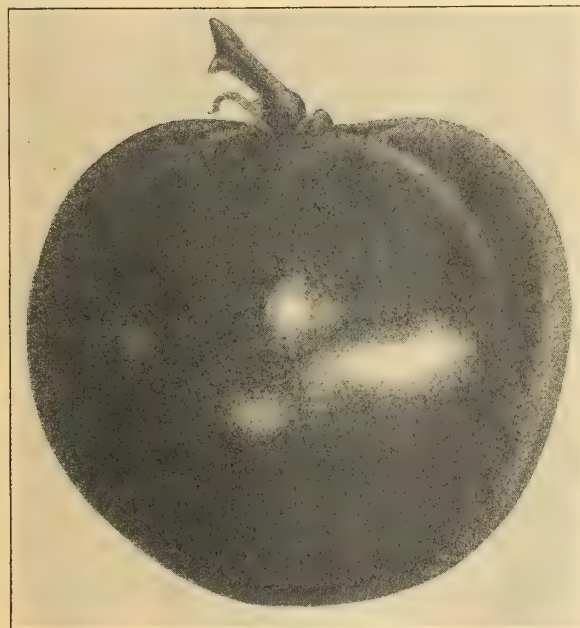
Greater Baltimore (Indiana Strain) certified. Pkt., 15c; ½ oz., 50c; oz., 85c.

Pepper. 80 days. This is purplish red, very smooth, medium sized, of excellent quality, with few seeds, and a sub acid flavor. The plants are dwarf but prolific. The fruits do not crack. Pkt., 15c; ½ oz., 40c; ¼ oz., 70c.

Dwarf Champion. About 86 days. Of dwarf habit and upright tree-like growth. It is of medium size, very smooth, purplish pink. Pkt., 10c; ½ oz., 45c; oz., 80c.

Improved New Stone. 86 days. Smooth skin, small core, fine-grained flesh with little acidity. Pkt., 10c; ½ oz., 30c; oz., 50c.

Dwarf Stone—The Largest Dwarf Tomato. 92 days. It resembles "Dwarf Champion," but is of stronger growth and more erect. Pkt., 10c; ½ oz., 50c; oz., 95c.



TOMATO RUTGERS. Pkt., 15c.

MAKE EVERY TOMATO FLOWER SET FRUIT

And grow seedless tomatoes. Seedless-Set Hormone spray will fertilize blossoms when first developed, insuring fruit as much as 30 days earlier in damp, cool weather when blossoms fail to fertilize normally and drop off.

Apply with any spray to flowers of tomatoes, cucumbers, peppers, egg plants. Fruits produced by blossoms sprayed are seedless, of premium quality. Developed by famous Boyce-Thompson Institute. Eight ounces will treat 100 plants, \$1.00; quart, \$3.00, postpaid; gallon, \$9.00, by express.

GREENHOUSE TOMATOES

Bonny Best. Red. The most popular American variety, for forcing. Forcing strain.

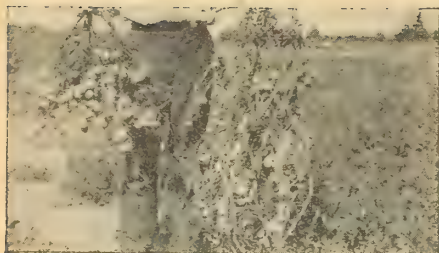
Long Calyx. Red. Michigan State

New Globe. Pink. Forcing. Red.

Waltham.

Any of above, pkt., 25c.

Plants started six to eight weeks before are set out two weeks after frostproof date when all danger of chill is over. Pruned plants can be grown to stakes or fence 18 inches apart; space unpruned 2 to 4 feet apart. Plants for late varieties can be grown from seed in open, preferably not transplanted.



PEAR TOMATOES.

SMALL FRUITED TOMATOES

Very Desirable for Pickles and Preserves. Mature in about 73 days.

Any of the following, pkt., 10c; ½ oz., 40c; oz., 75c.

Red Currant. Very small.

Red Cherry. Small fruit, bright scarlet.

Two Peach Tomatoes. Red or yellow.

Yellow Plum and Red Plum. Fruit 2 inches.

Yellow Pear and Red Pear. Distinct shape.

Ground Cherry, Husk or Strawberry. The small yellow fruit is enclosed in a husk. It is very sweet; prized for eating, preserving and making pies.

Italian Canner. 75 days. A very productive, long plum-shaped tomato. It is firm, not having any hollow parts, and the walls are exceptionally thick. Pkt., 10c; ½ oz., 40c; oz., 75c.



BORAGE.



ROSEMARY.

MIXTURE OF ANNUAL HERB SEEDS FOR 15c.

This is intended to meet the needs of those who want to grow a row or bed of herbs without sowing a full packet of each variety. It will contain all available varieties of useful annual herbs. Sow in a nursery row, or seed box and transplant to a row or border in the Victory garden.

MIXTURE OF PERENNIAL HERB SEEDS FOR 15c.

For small gardens, this will give enough plants of assorted varieties to supply the family needs, without the expense of purchasing a packet of each. Sow in a nursery row and transplant in the fall to a permanent location.

Anise. Used for garnishing, seasoning and for cordials. Pkt., 10c; ½ oz., 30c; oz., 50c.

Anise-Hyssop. *Agastache anethifolia*, a perennial, a native plant of America. The seed should be sown in late fall or very early spring and kept moist until plants are well established. A flowering plant 2 to 2½ ft. tall with purple bloom from June until September. Used to season cooked dishes or for bee food, for which it has no equal. Pkt., 25c; ¼ oz., \$1.40; ½ oz., \$2.60; oz., \$5.00.

Basil, Sweet. The leaves are used for flavoring soups and stews. Pkt., 10c; ½ oz., 35c; oz., 65c.

Borage. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 10c; ½ oz., 35c; oz., 60c.

Caraway. Seeds are used for flavoring bread, pastry, meats, etc. Pkt., 10c; ½ oz., 30c; oz., 50c.

Catnip. Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt., 10c; ½ oz., 70c; oz., \$1.35.

Chamomile (*Anthemis Nobilis*). The dried flowers possess medicinal value. Pkt., 10c.

Chives. Member of the onion family used for flavoring. Pkt., 15c; ½ oz., 35c; oz., 65c.

Coriander. The seeds are used for flavoring. Pkt., 10c; ½ oz., 30c; oz., 50c.

Dill. Leaves are used in pickles and for flavoring soups and sauces. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Fennel. The leaves boiled are used in fish sauces and are excellent for garnishing. The seeds are used for flavoring. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.35.

Horehound. The leaves are used for flavoring and also in the manufacture of cough remedies.

Lavender. The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are fragrant. There are two kinds.

Lavender Vera or True. The best.

Lavender Spica. Not quite so strong as Vera.

Saffron. Used for coloring dishes, also flavoring.

Summer Savory. The leaves and young shoots are used for flavoring. Pkt., 10c; ½ oz., 40c; oz., 75c.

Sage, English Broad Leaf. Pkt., 10c; ½ oz., 40c; oz., 75c.

Thyme. Used for seasoning; a tea is also made for nervous headache.

Herb Vinegars Teas

Herb plants, herb vinegars, herbal and tisanes, or herbal teas, are shipped direct from our plant in Wisconsin.

Plants in small lots are shipped by parcel post, but in lots of 25 or more are shipped by express at buyer's expense.

All vinegars, and tisanes in glass jars are shipped by express at buyer's expense.

No C.O.D. shipments can be made of any of these items.

Minimum Order, 2 Jars; All Shipped by Express Collect

HERB VINEGARS

After fresh herbs have been infused in vinegar many weeks, vinegars are strained, filtered, and sealed in attractive glass jugs. A handy way to add these flavors to salad dressings, sauces, meats, pickles, etc.

Basil—A spicy flavor.

Burnet—Delicate cucumber flavor.

Chives—Where a delicate onion-like flavor is desired.

Dill—Strong dill flavor.

Fennel—Anise-like flavor.

Garlic—A handy way to add a suggestion of this flavor.

Mint—A basis for mint sauces; useful in many ways.

Tarragon—Much used in fine cookery.

Mixed Herb Vinegar—A careful blend of seven herbs, useful for many purposes.

Two glass jugs of any of the above, each holding about 4 oz. for 75c.

Boxed collection of four 4-oz. jugs, your selection of above, per box, \$1.50.

TISANES OR HERBAL TEAS

Herb Teas in general are made by pouring boiling water over the dried herb (about one teaspoonful to each cup of water), allow to steep about ten minutes, strain. Serve plain or with lemon or honey. Milk and cream are taboo. A porcelain container, and not metal, is used as in making other teas.

Chamomile—Well known for its delightfully soothing quality.

Peppermint and Elder Flower—Delightful lemon flavor.

Mint—Very refreshing with slice of lemon, served hot or cold.

Alfalfa and Peppermint.

Wintergreen or Teaberry.

Sage.

Cellophane bags of two of the above, your selection for 65c.

Plants for Your Herb Garden

Ten Annual Herb Plants, Your Choice, by Express, at Buyer's Expense, for \$2.50.

Ten Perennial Herb Plants, Your Choice, by Express, at Buyer's Expense, for \$3.00.

The following Herb Plants will not be sold less than three or more of a kind except where ten or more are ordered.

SCENTED VARIETIES

Ready May 1. 3 of a kind, \$1.25 prepaid.

Lavender, True Tarragon, Balm Scented Pelargonium, Camphor Scented Pelargonium, Lemon Scented, Lime Scented, Citrus Scented, Mint Scented, Nutmeg Scented, Pine Scented, Pheasant's Foot Rose Geranium, Skeleton Rose Scented, Oak Leaved, Giant Oak Leaved, Rosemary, Almond Scented Geranium, Cocanot Scented Geranium, Rose Scented Geranium, Snowflake Geranium, Walnut Scented Geranium.

ANNUAL VARIETIES

Ready May 1. 3 of one kind, \$1.00 prepaid; in lots of 25 or more, any varieties, 20c each by express collect.

Sweet Basil, Holy Basil, Bush Basil, French or Soup Celery, Celeriac, Chervil, Florence Fennel, Garlic Plants, Parsley, Summer Savory.

PERENNIAL VARIETIES

Ready May 1. 3 of one kind, prepaid, \$1.10; in lots of 25 or more, any varieties, 25c each by express collect.

Burnet, Roman Chamomile, Chives, Coltsfoot, Comfrey, Costmary, Elecampane, Horseradish, Lavender Cotton, Lovage, Pot Marjoram, Applemint, Bergamot, Curly Mint, Spearmint, Round Leaved Mint, Catnip, Pineapplemint, Peppermint, Rue, Sage, Wide Leaved English Sage, Winter Savory, Skirret, Sorrel, Southernwood, Dwarf Southernwood, Tansy, Kitchen Thyme, Lemon Thyme, Wormwood, Lemon Balm.

Sampler Box of Dried Herbs, \$1.25

Liberal amounts of the following, each in a glassine envelope, including: Basil, Lovage, Mint, Sage, Fennel, Thyme, Poultry Seasoning, Fish Herbs, Omelet Herbs, Salad Herbs, Meat Herbs and Tomato Herbs.

Magic Box of 4 jars, your selection, \$1.25; 6 jars, \$1.75.

Vaughan's Fancy Grasses and Field Seeds

For Lawn Seed Mixtures, See Page 2. All Prices Prepaid, Except where Specifically Noted.

All Grasses and Field Seed Prices Are Subject to Change Without Notice.

Fancy Kentucky Blue Grass

POA PRATENSIS

Extra Heavy Sun-Cured Seed. Specially re-cleaned. Price, $\frac{1}{2}$ lb., 55c; 1 lb., 95c; 2 lbs., \$1.90; 3 lbs., \$2.80; 5 lbs., \$4.60; 10 lbs., \$9.00; 15 lbs., \$13.40; 20 lbs., \$17.75; 25 lbs., \$22.00; 50 lbs., \$43.50.

Uncertified Seed, actual weight, 21 lbs. per bu. (Standard grade of re-cleaned blue grass.) Price, $\frac{1}{2}$ lb., 45c; 1 lb., 80c; 2 lbs., \$1.60; 3 lbs., \$2.35; 5 lbs., \$3.85; 10 lbs., \$7.50; 15 lbs., \$11.15; 20 lbs., \$14.75; 25 lbs., \$18.25; 50 lbs., \$35.00.

CANADA BLUE GRASS (*Poa compressa*)

Valuable on poor soils and clay. It does not make so dense a growth as the Kentucky Blue Grass, and color is not so pleasing. Used particularly for pastures. Sow 40 to 60 lbs. per acre for pasture; in Fall or Spring. Price, 1 lb., 80c; 2 lbs., \$1.60; 3 lbs., \$2.35; 5 lbs., \$3.85; 10 lbs., \$7.50; 15 lbs., \$11.15; 20 lbs., \$14.75; 25 lbs., \$18.25; 50 lbs., \$34.00.

WHITE CLOVER

Extra Fancy Seed. Price, $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 85c; 1 lb., \$1.55; 2 lbs., \$3.10; 3 lbs., \$4.60; 5 lbs., \$7.50; 10 lbs., \$14.75; 15 lbs., \$21.75; 20 lbs., \$28.40; 25 lbs., \$34.50.

RED TOP GRASS (*Agrostis alba*)

Extra Fancy, re-cleaned solid seed. Price, $\frac{1}{2}$ lb., 30c; 1 lb., 45c; 2 lbs., 90c; 3 lbs., \$1.30; 5 lbs., \$2.10; 10 lbs., \$4.00; 15 lbs., \$5.60; 20 lbs., \$7.25; 25 lbs., \$8.50; 50 lbs., \$16.00.

Rye Grasses

Use all rye grasses at the rate of 30 to 40 lbs. per acre for pastures and 5 to 7 lbs. per 1000 sq. ft. for lawns. Sow either fall or spring.

English or Perennial Rye Grass (*Lolium perenne*). A lawn grass where quick results are wanted. Price, 1 lb., 45c; 2 lbs., 90c; 3 lbs., \$1.30; 5 lbs., \$2.10; 10 lbs., \$4.00; 15 lbs., \$5.90; 20 lbs., \$7.70; 25 lbs., \$9.50; 50 lbs., \$18.25; 100 lbs., \$35.00.

Common Rye Grass. The Italian type of rye grass, grown in this country. An annual, generally lasting a second year. Develops rapidly. Used in the south for Winter lawn grass. Sow in October in the south, preferably Spring in the north. Price, 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.65; 25 lbs., \$5.75; 50 lbs., \$10.00.

Fescues

CHEWING'S FESCUE (NEW ZEALAND GROWN). This grass is valuable on sandy soils and in shade. Chewing's Fescue is a perennial with a fine blade and a spreading root system. Sow either Spring or Fall (last week in August or the first week in September) at the rate of 5 lbs. to 1,000 sq. ft. Price, 1 lb., \$1.25; 2 lbs., \$2.50; 3 lbs., \$3.75; 5 lbs., \$6.05; 10 lbs., \$11.90; 15 lbs., \$17.50; 20 lbs., \$23.00; 25 lbs., \$28.25; 50 lbs., \$55.00.

CREeping RED FESCUE. One of the best fescues obtainable, it spreads from the roots, making a dense turf which tends to crowd out weeds. Does well in shade and is good on sandy soil. Price, 1 lb., \$1.30; 2 lbs., \$2.60; 3 lbs., \$3.85; 5 lbs., \$6.25; 10 lbs., \$12.25; 15 lbs., \$18.00; 20 lbs., \$23.50; 25 lbs., \$28.75; 50 lbs., \$55.50.

BIRD SEED

Rape. Large—sweet (not bitter like the small black). 1 lb., 40c; 5 lbs., \$1.95; 10 lbs., \$3.80; 25 lbs., \$7.50.

Sunflower. 1 lb., 35c; 5 lbs., \$1.70; 10 lbs., \$3.30; 25 lbs., \$7.00.

Canary Seed. 1 lb., 30c; 5 lbs., \$1.45; 10 lbs., \$2.80; 25 lbs., \$6.25.

Vaughan's Canary Mixture. 1 lb., 30c; 5 lbs., \$1.45; 10 lbs., \$2.80; 25 lbs., \$6.25.

Finch Seed. 1 lb., 25c; 5 lbs., \$1.15; 10 lbs., \$2.25.

Parakeet Seed. 1 lb., 30c; 5 lbs., \$1.45; 10 lbs., \$2.80; 25 lbs., \$6.25.

Vaughan's Wild Bird feeding Mixture (as recommended by the Illinois Audubon Society). 1 lb., 15c; 2 lbs., 25c; 5 lbs., 60c; 10 lbs., \$1.15; 25 lbs., \$2.75; 100 lbs., \$10.00.

Prices do not include Postage. See table at the back of book for rates.

Let us help you solve your lawn and golf grass problems. Advice gladly given on handling fertilizer problems, and combating insect and disease attacks.

CERTIFIED VICLAND OATS

This strain, developed by the Wisconsin Agricultural Experiment Station, has created a sensation among farmers. It is highly resistant to smuts and early rusts, early maturing, produces strong straw and is slow to sprout in the shock. The grain is heavier than the average and yield superior.

We offer Wisconsin certified seed, produced directly from foundation stocks supplied by the Wisconsin College of Agriculture, grown under careful field supervision and laboratory tests to insure a high degree of purity and germination.

1 bu., \$2.00; 10 bu., \$1.90 each, freight collect. Bags included.

Uncertified Seed. 1 bu., \$1.85; 10 bu., \$1.75 each, freight collect. Bags included.

CLOVERS AND ALFALFA

(Northern Grown)

Medium Red. (Purity 99.00 or better). Sow at the rate of 8-12 lbs. per acre. Price, 1 lb., 60c; 5 lbs., \$2.75—Postpaid. By Freight collect, 1 pk., \$7.00; $\frac{1}{2}$ bu., \$13.90; 1 bu., \$26.70; 100 lbs., \$44.50. Bags included.

Alsike Clover. (Fancy). Sow at the rate of 5 to 6 lbs. per acre. Price, 1 lb., 60c; 5 lbs., \$2.75—Postpaid. By Freight collect, 1 pk., \$6.50; $\frac{1}{2}$ bu., \$12.75; 1 bu., \$24.60; 100 lbs., \$41.00. Bags included.

Alfalfa Seed. (Central States). 1 lb., 70c; 5 lbs., \$3.25—Postpaid. By Freight collect, 1 pk., \$7.50; $\frac{1}{2}$ bu., \$14.85; 1 bu., \$29.40; 100 lbs., \$49.00. Bags included. Sow 12 to 15 lbs., per acre.

Write for Complete Price List of Field Seeds or let us know your requirements and we will be glad to quote special quantity prices. Purity and Germ. tests made in our own laboratories.

Miscellaneous

Awnless Brome Grass (*Bromus inermis*). Very strong, quick growth, making two crops of very abundant pasture. Has proven very valuable for pasture when sown with alfalfa. Good in very sandy soils because of its strong spreading root system. Not a lawn grass. Sow in the Spring, 2 bushels per acre (14 lbs. per bushel). 1 lb., 40c; 3 lbs., \$1.15; 5 lbs., \$1.65. Postpaid. By Freight collect, 10 lbs., \$3.00; 25 lbs., \$6.75; 50 lbs., \$12.75; 100 lbs., \$24.00.

Timothy (*Phleum pratense*). Most popular of all hay grasses. Vaughan's Fancy seed (99.5% pure or better). Price, 1 lb., 30c; 2 lbs., 55c; 3 lbs., 75c; 5 lbs., \$1.10—Postpaid. By Freight collect, $\frac{1}{2}$ bu., \$3.10; 1 bu., \$6.10 (45 lbs.); 100 lbs., \$13.50. Grain bags included.

Red Canary Grass. A fine perennial for hay or pasture on low marshy land. Use 5 to 8 lbs. per acre broadcast, and 3 to 5 lbs. with drill. Sow early in Spring or August, September. 1 lb., 80c; 3 lbs., \$2.35; 5 lbs., \$3.75—Postpaid. By Freight collect, 10 lbs., \$6.70; 25 lbs., \$15.75; 50 lbs., \$30.50; 100 lbs., \$60.00.

Sudan Grass. Sow 35 lbs. per acre. Makes an excellent emergency hay crop. Can be sown any time from May 20th, to June 20th. It withstands long periods of drought. 1 lb., 35c; 5 lbs., \$1.50—Postpaid. By Freight, collect, 10 lbs., \$2.00; 25 lbs., \$4.50; 50 lbs., \$8.00; 100 lbs., \$14.00; sacks included.

Dwarf Essex Rape. Makes a quick pasture and is very valuable feed. Ideal for sheep, hogs and cattle. Sow in early spring. 5 to 10 lbs., per acre, or with spring grain, 2 lbs. per acre. 1 lb., 40c; 3 lbs., \$1.20; 5 lbs., \$1.95—Postpaid. By Freight, collect, 10 lbs., \$3.80; 25 lbs., \$7.50; 50 lbs., \$13.25; 100 lbs., \$25.00.

Winter Vetch. A very valuable leguminous plant, especially for lighter soils. Can be sown spring or fall. Sow 15 to 20 lbs. of Vetch and $\frac{1}{2}$ bushel grain, per acre. Makes splendid hay. 1 lb., 40c; 3 lbs., \$1.15; 5 lbs., \$1.65—Postpaid. By Freight, collect, 10 lbs., \$3.00; 25 lbs., \$6.75; 50 lbs., \$12.00; 100 lbs., \$22.00.

HYBRID FIELD CORN

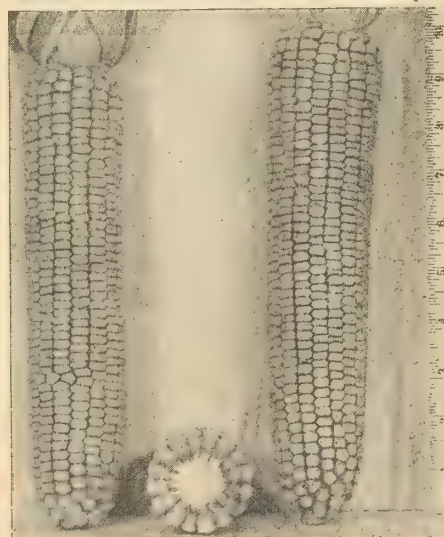
We offer State Certified Hybrids—

For many years breeders at the University of Wisconsin have been constantly at work developing and improving hybrids adapted to Northern Illinois, Wisconsin, Michigan, Iowa and Indiana.

Through arrangements with the University we are able to offer these proven hybrids at the following prices:

Flat kernels (Edge Drop). Peck, \$2.75; $\frac{1}{2}$ bu., \$4.75; Bu., \$8.50.

Above Prices
Freight Paid.



New and Standard—Giant Dahlias



STRAIGHT CACTUS

OUTSTANDING DAHLIAS

The following can be supplied in tubers only.

- A. G. Goodacre.** (F. D.) Lemon yellow, tipped white. Blooms average 9 to 10 inches, on long straight stems. Early and profuse bloomer. Each, \$1.00.
- Alice May.** (I. D.) Pure white with artistic formation. Described as a white Lord of Autumn. The blooms are large and of great depth. Stems, foliage and substance are excellent. Each, \$1.00.
- All American.** (S. C.) Mulberry rose suffused salmon with wax yellow at base of petals. Plants are medium in height, very vigorous and insect resistant. Blooms are held on strong straight stems. Each, \$1.50.
- Axford Triumph.** (I. D.) A deep golden orange. A large Australian variety which is becoming very popular for exhibition. Plants are robust with good foliage and stem. Each, \$1.50.
- Bess Smith.** (I. D.) A creamy white with ruffled formation. Bloom large and showy and of good substance. Bush medium tall with fairly heavy foliage. One of the best informal whites. Each, \$3.00.
- Blue Moon.** (F. D.) Lavender shading to lilac-purple at base giving the general effect of being blue. Strong stems. Heavy foliage. Each, \$1.00.
- Cherokee Brave.** (I. D.) Ox-blood red that holds its color in the sun. Long stiff stems. Strong grower with heavy foliage. Each, \$1.00.
- Class.** (F. D.) One of the largest sulphur yellow formal to date. Grown up to 15 inches; petals fall back toward stem when fully open. Rugged bush with strong stems. Each, \$1.50.
- Commando.** (F. D.) A clean shade of dark lavender which needs no special attention to produce large flowers. Bushes healthy with heavy resistant foliage. Good root maker. Each, \$1.50.
- Crowning Glory.** (I. C.) Rose pink with creamy center. A most beautiful and artistic dahlia. Flowers are of large size carried on ideal stems. Winner of many blue ribbons at all leading shows of the past seasons. Each, \$2.00.
- Dahliaum.** (I. D.) A very large deep flower of cadmium apricot with a golden sheen. Bushes massive and wide-spreading. Free bloomer with strong stem. Each, \$1.25.
- Dixie Wine Dot.** (I. D.) Pleasing white speckled and splashed wine red. One of the largest bi-color to date. Strong growing bushes that will not stunt. Winner of many medals and blue ribbons. Each, \$4.00.
- Eventide.** (I. D.) True purplish shadings. Its unusual production of big blooms, most excellent stem and vigorous habit of growth, good substance of bloom make it one of the best. Each, \$1.25.
- Esplendido.** (I. C.) Soft reddish pink. A very pretty cactus on long straight stems. Bushes are tall and foliage is fairly heavy. Profuse bloomer. Each, \$2.50.
- Goldmine.** (F. D.) Yellow shaded copper pink flowers on good stems. Bushes vigorous and free branching; an excellent variety for the garden. Each, \$2.00.
- James Ross.** (I. D.) A striking large flower of dark velvety red which does not fade. The naturally large flowers are held well above the rugged plants on good stems. Each, \$3.50.
- Kentucky Sportsman.** (I. D.) Color, gold, shading to apricot-yellow and then to a distinct orange, ending with white tips. Each, \$1.00.

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply Tubers of proper planting size on all varieties listed.

KEY TO ABBREVIATIONS: F. D., Formal Decorative; I. D., Informal Decorative; S. C., Semi-Cactus; Str. C., Straight Cactus; I. C., Incurred Cactus.

KEEPING CUT DAHLIAS

After cutting, strip the foliage except at the top; recut the stem and immerse in water as hot as the hand can bear, being sure that none of the foliage gets in the water. When the water cools the Dahlias are transferred to a pail of cold water and left in the cellar overnight. We have found that they keep several days and increase in size.

Lois Walcher. (F. D.) Color, deep amaranth purple that breaks sharply into pure white. The stems are ideal. The healthy bush is an early and prolific bloomer. Each, \$1.00.

Maffie. (S. C.) Massive blooms of an intense red that does not fade or burn. A clean, strong-growing plant with insect-resistant foliage. The giant blooms are held erect on long and strong stems. Winner of many honors as the "biggest and best" variety. Each, \$2.25.

Mary Taylor. (I. C.) Grenadine pink with lemon yellow center. A bright, clear flower with perfect form and unusually good stems. Achievement Medal winner. Each, \$1.00.

Michigan White. (S. C.) One of the best of the white cut-flower and exhibition dahlias. The well formed flowers are carried on long strong stems. Substance of flower is excellent, keeping well when cut. Blooms are of medium size. Each, \$1.00.

Mrs. Anna Kline. (S. C.) Sulphur yellow. Strong bush growth with heavy foliage. Stems and position of flower is everything one could ask for. Each, \$2.00.

Mrs. Thomas A. Edison. (I. D.) Deep rose red with rhodamine purple lined silver on the reverse; a striking color effect. Blooms are very large. The plants tall and rugged. Each, \$3.00.

Monarch. (F. D.) Oxblood red that holds its color in hot weather. A fine red with the best of stems from wide-spreading free branching bushes. Each, \$1.50.

Montibello. (I. D.) Very beautiful violet red flowers carried on strong stems well above foliage. Strong wide-spreading bushes producing large clumps. Each, \$1.50.

Nation's Pride. (I. D.) Peach red suffused buff. An Autumn shade with long stems. A beautiful, large dahlia and excellent cut flower. A good bloomer. One of the best. Each, \$3.00.

Nancy Ann Mitchell. (I. C.) Vivid scarlet. Perfect formation and stems have made this a consistent winner. The free blooming habit and striking color makes a fine showing in the garden. Each, \$1.25.

Nora Morton. (I. D.) Golden yellow, each petal distinctly edged deep orange. Flower can be grown quite large and completes nicely to stem which is strong and erect. Bush is vigorous with heavy foliage. A variety you can count on. Each, \$1.50.

Pink Giant. (I. D.) Tyrian pink. This brightest of pink tones has long been lacking in a good dahlia. Long erect stems hold flowers facing and slightly elevated. Strong rugged bushes. Each, \$1.00.



FORMAL DECORATIVE

Producer. (I. D.) A glowing orange with golden tipped petals. Early and profuse giving large quantities of blooms throughout the season. Each \$1.00.

Rhythm. (I. C.) Cameo or shrimp pink with suffusion of soft rose with lemon shadings at the base of the petals and center of the flower make it most unusual. One of the best 1943 dahlias. Be sure to grow this new pink creation. Each, \$3.50.

Sarets' Pink Flamingo. (I. C.) Clear pink. One of the finest dahlias introduced. Blooms held on the best of stems. Very prolific with remarkable substance. Heavy bush growth with fine foliage. Each, \$4.00.

Son of Satan. (S. C.) Intense flame red on excellent stems. One of the largest and brightest of its type. A sensation in any garden and a winner in any show. Each, \$1.00.

Sydney. (I. D.) The color is a beautiful rose-pink with a tinge of gold throughout and at the base of petals. Blooms are large in diameter and the petals roll back to the stem forming a massive flower. Stems are excellent. Each, \$1.00.

The Governor. (F. D.) A large bright sulphur yellow which is definitely a formal. Early to bloom, it gives a wealth of flowers until frost. Strong grower with good stems. Each, \$1.00.

The Real Glory. (F. D.) Pure waxy white of large size notable for its exceptional substance and good keeping qualities. The flowers are well formed on strong perfect stems. A strong grower with heavy foliage. Each, \$1.50.

Thomas A. Edison. A royal purple with a brilliant rich finish. Each, \$1.00.

Tops. (I. D.) An outstanding yellow. The massive blooms are carried on strong stems. A strong grower with good foliage. Has won many awards as the largest bloom in the show. Each, \$1.50.

Victory. (F. D.) Color rose-pink with a golden suffusion. Excellent keeping qualities. Fine stems and insect proof foliage. Bush is vigorous and free branching. Winner of many Blue Ribbons at leading shows. Each, \$1.25.

White Champion. (S. C.) Pure white. One of the largest. A dahlia with great vigor and heavy insect resistant foliage. Flowers can be grown over twelve inches and are held facing on strong stems. Strong grower. Each, \$3.00.

White Christmas. (F. D.) A beautiful, perfectly formed white of exhibition quality. Long straight stems on very tall plants. A rugged, vigorous grower that will not stunt. Each, \$3.00.

World's Event. (F. D.) A rose pink which fills a need in its class at shows. Also a pleasing variety in the garden. A good grower and bloomer. Flowers carried facing the side on strong stems. Good size and depth. Each, \$3.50.

Your Lucky Star. (S. C.) The centers are white and the outer half is a distinct clear lavender. Very large well-formed flowers of unusual beauty. Good grower with fine stem. Each, \$1.00.

SPECIAL OFFER (No. 82). One tuber each Alice May, Dahliaum Esplendido, Nora Morton and Maffie for \$6.80 postpaid.

SPECIAL OFFER (No. 82A). One tuber each Blue Moon, Cherokee Brave, Montibello, The Governor, The Real Glory and Your Lucky Star for \$5.60 postpaid.

SPECIAL OFFER (No. 82B). One tuber each A. G. Goodacre, Eventide, Kentucky Sportsman, Lois Walcher, Pink Giant and Producer for \$5.00 postpaid.

STANDARD VARIETIES

TUBERS ONLY

- Avalon.** (F. D.) Pure, clear yellow with large flowers. Each, 50c.
- California Idol.** (I. D.) A clear yellow. Deep flowers of fine form with high centers. Produces blooms in profusion on strong bushes. Each, 75c.
- Florist White.** (F. D.) Pure white, fine shaped flowers with long, stiff stems. Good grower. Each, 50c.
- Gallant Fox.** (F. D.) A brilliant red. Its keeping qualities, sturdy stem and fine color make it a valuable sort. Each, 50c.
- Jun's Velvet Wonder.** (I. D.) Color is a rich violet purple. The huge blooms can be grown to immense size. Each, 75c.
- Jane Cowl.** (I. D.) A large flower of warm buff and old gold, blending to a bright salmon at the center. Each, 50c.
- Jean Trimbee.** (S. C.) Color of richest deep petunia violet, of immense size, borne well above the foliage on stiff rigid stems. Each, 75c.
- Jersey's Beacon.** (F. D.) The color is Chinese-scarlet with a paler reverse, giving a two-toned effect. Each, 50c.
- Jersey's Beauty.** (F. D.) It is still in a class by itself. A perfect bloom of eosine pink, carried high on wiry stem. Each, 50c.
- Jersey's Red Beauty.** (F. D.) Bright red with same habit of growth as Jersey's Beauty. Good form, color and stem. Each, 75c.
- King of the Blacks.** (F. D.) Darkest rich velvet red, almost black. Compact, vigorous. Each, 75c.
- Marie.** (F. D.) A true pink of vigorous habit and a big root maker. Blooms 5 to 6 inches. Useful for cutting and one of the best garden dahlias. Each, 75c.
- Mrs. Geo. Le Bouttlier.** (I. D.) A rich velvety carmine giant in size and outstanding in all respects. A healthy grower. Each, 75c.
- Mrs. I. de Ver Warner.** (F. D.) A refined, mauve-pink, beautifully formed. Large blooms carried on long, strong wiry stems. Each, 50c.
- Mrs. James Albin.** (F. D.) A clear yellow with fine formal blooms carried on straight stiff stems. Free bloomer with sturdy growth and branches freely. Each, 75c.
- Monarch of the East.** (F. D.) It is a big, bold bloom, a real giant in the dahlia world. Its color is a golden bronze with a coral red reverse. Each, 75c.
- Negus.** (F. D.) Oxblood red to almost black in center. Good size blooms held erect on strong stems. A strong robust plant with fine insect-resisting foliage. Each, 75c.



MINIATURE AND POMPON DAHLIAS

- Pride of Austenberg.** (I. D.) The unusual part of this dahlia is its color which is a soft apricot shading violet rose with a reverse shading of light purple. Early bloomer on strong stems. Each, 50c.
- Rose Glory.** (F. D.) Pure deep rose-pink. Free and early bloomer. Strong grower with long straight stems. Medium height. Each, 50c.
- White King.** (F. D.) A leading pure white for exhibition and cut flower. Perfect blooms on long stems. Each, 50c.
- White Wonder.** (F. D.) The giant blooms are pure white with long twisted and curled petals. Foliage thick, leather-like. Each, 75c.
- SPECIAL OFFER (No. 83).** One tuber each Jean Trimbee, Jersey's Red Beauty, Marie, Monarch of the East and White Wonder for \$3.00 postpaid.
- SPECIAL OFFER (No. 83A).** One tuber each Avalon, Gallant Fox, Jersey's Beauty, Mrs. I. de Ver Warner, Pride of Austenberg, Rose Glory and White King for \$2.80 postpaid.
- SPECIAL OFFER (No. 83B).** One tuber each Florist White, Jane Cowl, Jersey's Beacon, Mrs. Geo. Le Bouttlier and Mrs. James Albin for \$2.40 postpaid.

MINIATURE DAHLIA

TUBERS ONLY

- These small type Dahlias have become popular owing to their usefulness. Can be planted in garden, border or beds fairly close, about 20 to 24 inches apart. Their freedom of bloom and keeping a long time when cut make them ideal for arrangements.
- Audrie's Orange.** (S. C.) A bright orange. An outstanding variety. Each, 75c.
- Baby Royal.** (S. C.) A fine salmon pink shaded apricot. Each, 50c.
- Blue Bell.** (F. D.) Blue-violet. Each, 75c.
- Corinna.** (F. D.) Very fine deep yellow. Each, 50c.
- Dubonnet.** (S. C.) A rich deep oxblood red that does not fade. Each, 75c.
- Grenadier.** (Peony). Orange-red flowers with beet-red foliage. Each, 75c.
- Little Red Bird.** (F. D.) Bright cardinal red. Each, 50c.
- Little Roseata.** (F. D.) A good soft pink. Stiff stems and long keeping qualities. Each, 75c.
- Princess Alba.** (F. D.) Fine white. Perfect formed blooms on long stems. Each, 50c.
- Snowsprite.** (S. C.) Glistening snow white perfect stems and artistic form. Each, 75c.
- SPECIAL OFFER (No. 83C).** One tuber each Audrie's Orange, Blue Bell, Grenadier, Little Roseata and Snowsprite for \$3.00 postpaid.
- SPECIAL OFFER (No. 83D).** One tuber each Baby Royal, Corinna, Dubonnet, Little Red Bird and Princess Alba for \$2.20 postpaid.

POMPON DAHLIAS

Under this head come those small Bouquet Dahlias that are so popular for cut flowers.

TUBERS ONLY

- Cardinal.** Fiery scarlet. Each, 50c.
- Bronze Beauty.** Bronze and old gold. Each, 40c.
- Golden Queen.** Rich deep yellow. Each, 50c.
- Edith Mueller.** Golden-orange and salmon-red. Each, 40c.
- Mary Munns.** Fuchsia or deep orchid. Each, 40c.
- Morning Mist.** Delicate lavender and white. Each, 40c.
- Rosa Wilmoth.** Light rose-pink; fine form. Each, 50c.
- Sherry.** A deep purple. Very attractive. Each, 50c.
- Snowclad.** Pure white. Long stems and fine blooms. Each, 40c.
- Vivid.** Bright scarlet; very fine. Each, 40c.
- SPECIAL OFFER (No. 83E).** One tuber each Cardinal, Edith Mueller, Golden Queen, Rosa Wilmoth and Sherry for \$1.90 postpaid.
- SPECIAL OFFER (No. 83F).** One tuber each Vivid, Bronze Beauty, Snowclad, Mary Munns and Morning Mist for \$1.60 postpaid.

100 Strawberry \$3 Plants,

Special Offer No. 106S. A Strawberry collection, 100 fine strong plants (spring delivery only) in four good sorts, our selection, postpaid, for \$3.00.

Strong Field Grown Plants, Shipped from Early Spring up to May 15

STANDARD VARIETIES

- DORSETT.** Early. Will undoubtedly be a leader among early, heavy cropping varieties.
- FAIRFAX.** Medium early. Rich in flavor, uniformly large fruit in abundance.
- ROBINSON.** The new super berry. Finest flavor. Large, glossy, firm, red fruit.
- PREMIER.** Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper.
- PRICE,** on the above varieties, 25 for \$1.20; 50 for \$2.00; 100 for \$3.20, postpaid.
- SENATOR DUNLAP.** Midseason. The fruit is dark red with glossy finish. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the beginner as well as the veteran grower. Price, 25 for 90c; 50 for \$1.50; 100 for \$2.40, postpaid.

EVERBEARING VARIETIES

- GEM.** A good medium size, heavier producing everbearing berry. Fine quality and firm everbearer. Produces during late summer months large size berries of fine appearance and flavor. Price, 25 for \$1.90; 50 for \$3.15; 100 for \$5.00, postpaid.
- MASTODON.** Most widely planted everbearer. Price, 25 for \$2.55; 50 for \$4.35; 100 for \$7.00, postpaid.

New and Popular Cannas

Cannas are becoming more popular. The new varieties with large flowers in new colors are unequalled for creating a colorful show from July till frost. They do best in full sun and respond quickly to feeding.



DOROTHY S.

Number of Cannas required for round beds planted eighteen inches apart each way: Seven feet—19 plants, one for center; six for first row, twelve for second row. Ten feet—37 plants, one for center; six for first row, twelve for second row, eighteen for third row.

- Hungaria.** 3½ ft. Best pink Canna. Leaves bluish green, never burn. Flowers large, with big petals.
- King Humbert.** 4 ft. Scarlet flowers, bronze leaves. This remarkable "Gold Medal" Canna has been the sensation of the past fifteen years.
- The President.** 4 ft. A rich glowing scarlet on strong stalks; green foliage.
- Yellow King Humbert.** 4 ft. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red.

PRICES OF ABOVE

DORMANT 2-3 EYE ROOTS. Available March 1 to April 15; 3 for 60c; \$2.00 per doz.; \$14.00 per 100.

CHOICE CANNAS

- Copper Giant.** 4 ft. The finest variety we know. Its giant flowers borne on strong stalks with green foliage are of a vivid hue, with great carrying power, of madder red and old rose with a suggestion of burnished copper in the mass effect. It blooms continuously throughout the season.
- Dorothy S.** 4 ft. A beautiful salmon red. Green foliage. Produces large flowers on very vigorous plants.
- Eureka.** 4 ft. Free-flowering variety with striking white flowers which first appear cream. Green foliage.
- Improved Florence Vaughan.** 4 ft. Rated finest of all yellows. Large lemon-yellow flowers, faint red dots, luxuriant green foliage.

PRICES OF ABOVE

DORMANT 2-3 EYE ROOTS. Available March 1 to April 15; 3 for 75c; \$2.50 per doz.; \$17.00 per 100.

Vaughan's New and Time-Tested Gladioli



ELIZABETH THE QUEEN



SNOW PRINCESS



MARGUERITE

BEST OF THE NEW INTRODUCTIONS

American Commander (New). Dec. Blood red or a little darker. Opens 6-7 large, plain-petaled blooms on a long head of about 20 buds. Very tall, strong, straight and vigorous. Opens well in water and is one of the best cut flower reds of a medium shade. Each, 50c; doz., \$5.00.

Badger Beauty (Krueger). Dec. A beautiful lavender of average height with a creamy white throat. The flower heads are about 20 inches in length and carry 17 buds, of which 5 open in the field. A promising mid-season cut flower variety. It does not fleck or grow crooked. Each, 35c; doz., \$3.50.

Big Red (Vaughan). Ex. Extra strong growing blood red. Very large florets, well placed and holds open very well. Has very heavy foliage and tall spike. Each, 40c; doz., \$4.00.

Chamouny (Baerman). Ex. An outstanding decorative variety. Rich, light cerise rose with the faintest edging of light rose; perfectly placed florets on tall slender spike, eight or more open at same time. Each, 30c; doz., \$3.00.

Convoy (Palmer). Ex. Clear rose purple, slightly deeper in throat. Florets are large, of good texture and well placed on tall spikes. One of the finest purples. Each, 40c; doz., \$4.00.

Corinne Vaughan. (Vaughan). An orchid self, with the tallest spike and largest florets yet produced in this color. It is definitely earlier than Minuet, which in our opinion, it surpasses in size and beauty. It has exceptionally large florets, well placed and facing properly. Each, 50c; doz., \$5.00.

Elizabeth the Queen (White). Ex. Clean mauve with darker lines on the throat. Large, beautifully ruffled, fine form. 7-8 blooms open. Size runs from 5 to 6½ inches. Very distinctive and beautiful lavender, that has taken the country by storm. Each, 50c; doz., \$5.00.

Ethel Cave-Cole (Cave). Ex. Pure light pink sometimes flaked. Very strong, husky grower. Makes a spike of 9-10 large, well placed blooms on a head of 20-24 buds. Fine for exhibition, cut flowers or for the home garden. Each, 35c; doz., \$3.50.

Exemplar (Krueger). Dec. The tall vigorous plants with blue green foliage attract attention even before it produces, in late season, its beautiful, intensely ruffled salmon pink florets with cream throats. It opens 7 to 9 florets of 4-inch size at one time on a 24-inch flowerhead of 20 buds. It is a prolific propagator and exceptionally healthy. It is free of crooked stems. Each, \$1.00; doz., \$10.00.

Glamis (Palmer). Ex. Very beautiful clear salmon rose, creamy lip. 6-8 large wide open, fluted, needle point blooms open on a plant of medium height or better. Each, 40c; doz., \$4.00.

Glen Lake (Vaughan). Ex. In effect it is a lavender self paler than Minuet, with markings negligible and only in the deep throat. Stem is tall and strong, florets faced well and overlapping, six to eight open at once. It is earlier than Minuet, opens better, is a far better propagator. This is a fine, tall growing variety for the garden, but of exceptional value for cut flower arrangements, both for room decoration and for the costume. Each, 50c; doz., \$5.00.

Harvest Moon (Jack). Ex. Large clear medium yellow shading somewhat deeper toward the center. Tall straight spike. One of the best all around yellow. Each, 40c; doz., \$4.00.

Lavender Ruffles (Wilson). Ex. Pinkish lavender of a beautiful clear, clean shade, somewhat ruffled. Opens several well arranged blooms on a medium height spike. A seedling of Minuet. Its fine clean-cut appearance and earliness should make this a popular variety. Has won many top awards at shows. Each, 35c; doz., \$3.50.

Leading Lady (Johnston). Ex. A white sport of Picardy. Just like Picardy except that it is a beautiful cream white with canary yellow throat. Each, 75c; doz., \$7.50.

Llona (Krueger). Dec. Medium sized, ruffled, creamy white of great bloom bulk. The plants are of average height and produce spikes of 19 buds of which 8 open at one time. This midseason variety with its prolific increase and heavy growth from bulbets is a promising cut flower variety. It does not grow crooked. Each, 60c; doz., \$6.00.

Marguerite (Pommert). Ex. Makes a massive spike of deep watermelon pink, with cream throat. Tall spike with unusually long flower-head. Its exceptional lasting qualities make it a good cut flower. Each, 30c; doz., \$3.00.

Mastor Myron (Krueger). Ex. Enormous rich red self-color. The florets are of good substance and well placed on tall straight spike. It stands up exceptionally well in the heat. Each, 30c; doz., \$3.00.

Mohawk (Stevens). Ex. Dark velvety red with no markings. Opens 8 well placed 5-inch blooms with 6 showing color. Straight stem, up to 4½ feet tall. Good propagator. A variety that has more vivid color than Black Opal. Each, 35c; doz., \$3.50.

Mother Kadel (Kadel). Dec. Clear medium yellow with no markings. Well placed blooms. Tall spike. One of the best of the newer yellows. Each, 40c; doz., \$4.00.

Oregon Gold (Majeski). A massive five-foot plant, carrying 20 to 24 buds and flowers. Florets of Picardy size and 9 to 10 open at once. A large medium yellow blending to deep yellow in throat. Good producer of bulbets which germinate. Each, 50c; doz., \$5.00.

Lake Geneva Collection GLADIOLI

Ten of each of the following ten representative varieties of Gladiolus (100 first size Bulbs) will be sent **\$1000** postpaid, for

- 10 Minuet, Large Lavender
- 10 Chas. Dickens, Purple Violet
- 10 Dr. Bennett, Scarlet
- 10 Vagabond Prince, Smoky Old Rose
- 10 Miss Bloomington, Good Light Yellow
- 10 Picardy, Apricot Pink
- 10 Maid of Orleans, Milky White
- 10 Margaret Fulton, Salmon Pink
- 10 Pelegrina, Violet Blue
- 10 Snow Princess, White

Please allow us to substitute other varieties if we are sold out when your order is received.

Rocket (Palmer). Ex. Most vivid, gorgeous scarlet. Opens 7-8 or more medium large perfectly placed blooms on a good length head. The variety is well liked. Each, 30c; doz., \$3.00.

Silentium (Pfitzer). Dec. A striking white, blending to a cream center containing a small carmine marking. Slender stems, excellent placement with regularity, grand cut flower habits, fine blooms from the smaller size bulbs and a good propagator. Each, 35c; doz., \$3.50.

Snow Princess (Pfitzer). Ex. A very fine new white of good size and form. Tall, with long flower spike and many open blooms that are always perfectly placed. Stems never crook. Snow Princess is one of the very best whites. Mid-season. Each, 25c; doz., \$2.50.

White Gold (Scheer). Ex. Clear light cream shading to golden throat. 4-6 very large well placed blooms open at one time. Each, 50c; doz., \$5.00.

General List PINK AND ROSE

Aladdin (Palmer). Ex. Grenadine to grenadine pink or in common language bright beautiful salmon with large cream blotch. 8-10 very large beautifully ruffled blooms open at a time on a long straight spike. Plant very strong and robust. Each, 20c; doz., \$2.00; 100, \$15.00.

Betty Nuthall (Salbach). Ex. One of the outstanding gladioli of recent introduction. Light coral with pale orange throat and light feathering of carmine. Each, 15c; doz., \$1.50; 100, \$10.00.

Bingo (Canine). Ex. Immense cream-buff, pink flecking and soft Picardy blotch in throat. Each, 20c; doz., \$2.00; 100, \$15.00.

Candy Heart (Salbach). Ex. Clear flesh pink with large blotch of light carmine. Each, 25c; doz., \$2.50.

Debonair (Palmer). Ex. La France pink to shrimp pink in throat with creamy throat mark, lightly peppered crimson. Each, 15c; doz., \$1.50; 100, \$10.00.

Early Rose (Jack). Dec. Medium rose shading to darker blotch. Great favorite with florists. Each, 20c; doz., \$2.00.

Edith Mason (Vaughan). Ex. Delicate geranium-pink, exquisite. Each, 15c; doz., \$1.50; 100, \$10.00.

Jeanie (Pruitt). Ex. Clear rich pink with white midribs and creamy yellow throat. Each, 25c; doz., \$2.50.

Margaret Fulton Dec. Early salmon-pink. Each, 15c; doz., \$1.35; 100, \$9.00.

Peggy Lou (Wilson-Evans). Ex. Smooth, deep shrimp pink with a slight rosy cast and a slight peppering of deeper rose in the throat. Each, 20c; doz., \$1.75; 100, \$12.00.

Phyllis McQuiston (Stewart). Dec. A gorgeous pure pink. Each, 15c; doz., \$1.50; 100, \$10.00.

Picardy (Palmer). Ex. A most sensational flower of delicate apricot-pink. The individual florets are all extremely large, slightly ruffled and of heavy wax-like substance. Each, 20c; doz., \$1.75; 100, \$12.00.

Queen Helen II (Salbach). Ex. Grenadine pink with prominent pinard-yellow blotch and carmine feathering deep in throat. Each, 15c; doz., \$1.50; 100, \$10.00.

Rapture (Palmer). Dec. Tall late salmon with creamy throat. Each, 15c; doz., \$1.50; 100, \$10.00.

Rosa Van Lima (Pfitzer). Dec. Pure self-colored light pink. Many flowers open at one time. Strong grower. Each, 20c; doz., \$1.75; 100, \$12.00.

100 Bulbs of Picardy, *Champion of All Gladioli*, \$8.00

PREPAID 600 MILES

These are flowering size bulbs (No. 3) which will produce exhibition flowers, but take longer to do it than larger bulbs. Picardy is without a rival for the most popular gladiolus. Its soft salmon coloring, huge overlapping florets, perfectly spaced to produce a gorgeous plume of color, have won it leadership in the exhibition room, in the garden, and in the cut flower market. No. 1 bulbs, 100 for \$12.00; No. 2 bulbs, 100 for \$10.00. By Express Collect.

GLADIOLI Pink and Rose—Continued.

Sensation. (Marshall). Large Dec. Bright but soft rose salmon shading lighter in upper throat with darker feather on the lip. 6-9 heavily ruffled massive blooms on a spike of 17-20 or more buds. Very tall grower and massive often reaching 6 feet in height. A good propagator and one that everyone should have in his garden. Each, 30c; doz., \$3.00.

Token (Papas). Dec. Peach red or flame salmon with clear yellow throat. Each, 15c; doz., \$1.50; 100, \$10.00.

PINK AND ROSE MIXED

Made up by ourselves from varieties listed and others. Doz., \$1.50; 100, \$10.00.

RED

Algonquin (Palmer). Dec. Early, brilliant glowing scarlet, 8-10 wide open ruffled needlepoint blooms open on a tall straight spike. Many people consider this the best scarlet on the market. Each, 30c; doz., \$3.00; 100, \$22.00.

Beacon (Palmer). Ex. Salmon-scarlet with creamy throat. Tall spike, eight florets open at once. Each, 20c; doz., \$1.75; 100, \$12.00.

Communist (Vaughan). Ex. Flaming red, lighter than Commander Koehl, more vivid than Dr. Bennett, with a better spike than either. The color is even except for deep crimson in the throat. Flowers in 100 days. Each, 50c; doz., \$5.00.

Dr. F. E. Bennett (Diener). Ex. Scarlet throat stippled with ruby and white. Big, vigorous, a ribbon winner. Each, 15c; doz., \$1.50; 100, \$10.00.

Dream of Beauty (Zimmer). Ex. Large rose red. Good color, strong grower. Each, 15c; doz., \$1.50; 100, \$10.00.

Flaming Sword (Krelage). Prim. Bright vermilion scarlet striped. Each, 15c; doz., \$1.50; 100, \$10.00.

Kassel (Pfitzer). Ex. A bright attractive scarlet with no marking. Each, 15c; doz., \$1.50; 100, \$10.00.

Morocco (Pfitzer). Dec. A very deep, dark red. Each, 20c; doz., \$2.00; 100, \$15.00.

Red Lightning (Pruitt). Dec. Bright pleasing red with cream blotch in the throat. Each, 20c; doz., \$2.00; 100, \$15.00.

Red Phipps (Briggs). Ex. Really a pink overlaid scarlet. Each, 15c; doz., \$1.50; 100, \$10.00.

Rewi Fallu (Fallu). Ex. Early deep blood-red. Very large blooms on a tall straight spike. Each, 15c; doz., \$1.50; 100, \$10.00.

RED MIXED

Made up by ourselves from varieties listed and others. Doz., \$1.50; 100, \$10.00.

YELLOW

Gold Eagle (Austin). Prim. Clear deep yellow. Each, 15c; doz., \$1.50; 100, \$10.00.

Golden Dream (Groff). Dec. Clear deep yellow. Each, 15c; doz., \$1.50; 100, \$10.00.

Loyalty (Austin). Ex. Nice clear yellow. Each, 15c; doz., \$1.50; 100, \$10.00.

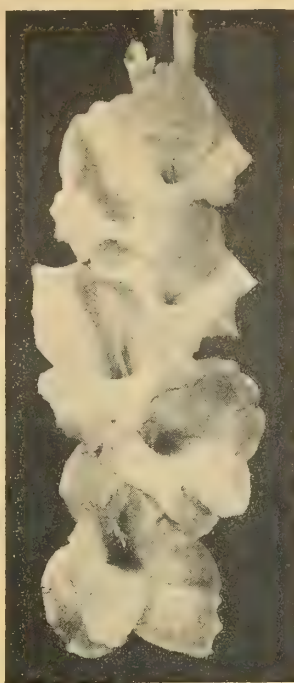
Mary Shary (Vaughan). Dec. Clear soft primrose-yellow with a deeper yellow in throat, faint marking in throat. Spike tall, straight and strong. Flowers well placed, 6 to 8 open. By artificial light remains a beautiful yellow for evening decorations. Each, 25c; doz., \$2.50; 100, \$18.00.

Miss Bloomington (Kunderd). Dec. Tall, light yellow, flowers well placed. Each, 15c; doz., \$1.50; 100, \$10.00.

Yellow Emperor (Ellis). Dec. Clear deep yellow. Each, 15c; doz., \$1.50; 100, \$10.00.

YELLOW MIXED

Made up by ourselves from varieties listed and others. Doz., \$1.50; 100, \$10.00.



LEADING LADY



WHITE GOLD



CORINNE VAUGHAN

BLUE AND PURPLE

Ave Maria (Pfitzer). Dec. Extremely good blue-purple. Strong grower, flowers well arranged. Each, 20c; doz., \$2.00; 100, \$15.00.

Blue Beauty (Pfitzer). Ex. Light blue, shading darker toward the edge. Large wide open flowers. Strong grower. Each, 20c; doz., \$2.00; 100, \$15.00.

Chas. Dickens (Pfitzer). Dec. Purple-violet. Each, 15c; doz., \$1.50; 100, \$10.00.

King Lear (Palmer). Ex. Very early. Clear deep purple with silver line on edge of all petals. Very large heavily waved and ruffled. 5-6 open. Each, 20c; doz., \$2.00; 100, \$15.00.

Pelegina (Pfitzer). Dec. Deep blue. Each, 15c; doz., \$1.50; 100, \$10.00.

BLUE AND PURPLE MIXED

Made up by ourselves from varieties listed and others. Doz., \$1.75; 100, \$12.00.

LAVENDER

Berty Snow (Mair). Dec. Bright lavender with creamy throat. Each, 15c; doz., \$1.50; 100, \$10.00.

Dr. Moody (Kenyon). Ex. Light lavender. Each, 15c; doz., \$1.50; 100, \$10.00.

Elizabeth The Queen (White). Ex. Clean mauve with darker lines on throat; beautifully ruffled. Very fine lavender of distinction. Each, 50c; doz., \$5.00.

Minuet (Coleman). Ex. Large light lavender. We recommend it. Each, 20c; doz., \$1.75; 100, \$12.00.

Queen of Bremen (Zimmer). Prim. Lavender-pink flecked with deep lavender. Each, 15c; doz., \$1.50; 100, \$10.00.

LAVENDER MIXED

Made up by ourselves from varieties listed and others. Doz., \$1.75; 100, \$12.00.

Prices for single bulbs and by the doz., as above, include free parcel post delivery through 5th zone. For prepayment to further zones, add 5c doz.

SMOKY

Bagdad (Palmer). Ex. Very large smoky old-rose. Each, 15c; doz., \$1.50; 100, \$10.00.

Mother Machree (Stevens). Ex. Soft smoky lavender. Large flower and plant with beautiful coloring of lavender and orange, subdued with neutral gray. Each, 20c; doz., \$2.00; 100, \$15.00.

Vagabond Prince (Palmer). Ex. Iridescent, garnet brown, lighter in upper throat, small flame, scarlet blotch below. The color combination is very attractive. Each, 15c; doz., \$1.50; 100, \$10.00.

SMOKY MIXED

Made up by ourselves from varieties listed and others. Doz., \$1.75; 100, \$12.00.

Vaughan's "Standard" Mix- \$3.40 ture: 50 Bulbs. First Size . . 3-40

We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one will be found satisfactory everywhere, for mixed beds, borders and masses. These are first-size bulbs. Where wanted by mail add for postage at zone rates, 100 bulbs packed, 6 lbs.

Price, doz., 90c, postpaid; by express, not prepaid, 50 for \$3.40; 100 for \$6.50; 250 for \$16.00; 500 for \$31.00; per 1,000, \$60.00.

February 18, 1945
"I was delighted with the Rainbow Garden of Gladioli. I doubt if any other house ever offered a better variety at the price. They were all long spiked with large numerous florets. The Gladiolus bed was a thrilling sight."
Harold Hennig, Dubuque, Iowa

• For Type Classification which is used at all Flower shows, we are marking each variety as follows: Ex.—Exhibition. Dec.—Decorative. S. D.—Small Decorative.

Gladioli—Continued

ORANGE

Barcarole. (Palmer). Dec. Mid-season. Large clear orange of an unusual but most exquisite clear shade. 6-7 heavily ruffled blooms open. A gorgeous variety that must be seen to be appreciated. Each, 20c; doz., \$2.00; 100, \$15.00.

Bit of Heaven (Crow). Ex. Flaming orange with yellow throat. Each, 15c; doz., \$1.50; 100, \$10.00.

Dearborn (Vaughan). Dec. Immense florets of deep flesh color, light coral reflex, lip amber yellow, blending to flesh, marked with a feathering of deep crimson. Tall, straight spike with twenty or more florets, four to six open at a time, measuring five to six in. in diameter. A giant gladiolus that blooms early. Each, 15c; doz., \$1.50; 100, \$10.00.

Palm Springs (Vaughan). Ex. A clear soft luminous orange-buff self color, marked only by lighter toning in the throat. Ea., 15c; doz., \$1.50; 100, \$10.00.

ORANGE MIXED

Made up by ourselves from varieties listed and others. Doz., \$1.50; 100, \$10.00.

WHITE

Albatross (Pfitzer). Ex. Pure white. Each, 15c; doz., \$1.50; 100, \$10.00.

Camellia (Palmer). Dec. Blush white, tinted pink with slight pinkish feather. Each, 20c; doz., \$2.00.

Corona. (Palmer). Dec. Creamy white shading more creamy toward the throat with wide rose picotee edge on all petals. Very distinctive and beautiful. 6-8 very large wide open blooms on a head of about 18 buds. Tall, strong grower and a fine propagator. Corona takes very well in the cut flower market. Each, 25c; doz., \$2.50.

Maid of Orleans (Pfitzer). Ex. Milky white, cream throat. Each, 15c; doz., \$1.50; 100, \$10.00.

Margaret Beaton (Twomey). Ex. New immense white with orange-scarlet blotch. Each, 25c; doz., \$2.50; 100, \$18.00.

Myrna (Pruitt). Ex. An excellent white, sister to Shirley Temple, ruffled and strong grower. Each, 25c; doz., \$2.50.

Pearl Harbor (Kenyon). Dec. Purest white, no markings. Unusual lasting qualities, straight grower, vigorous and a rapid propagator. Tall spike carrying 20 to 22 buds, opening 10 to 12 florets at one time. Each, 20c; 3 for 50c; 100, \$10.00.

Shirley Temple (Pruitt). Ex. Color rich cream, almost white, with richer cream throat mark. Six to eight very large, most beautifully ruffled flowers open at one time. A maximum spike is equal in size to Picardy or Miss New Zealand. Despite its enormous size it carries not the least bit of coarseness. As a cut flower it will stand up with the best of them, the last bud on the spike blooming out perfectly. Makes beautiful foliage and large, high crown bulbs. Makes ample bulbets that grow readily, without pregermination. It blooms somewhat later than Picardy. Each, 15c; doz., \$1.50; 100, \$10.00.

WHITE MIXED

Made up by ourselves from varieties listed and others. Doz., \$1.50; 100, \$10.00.

D. D. T. FOR THRIPS

On the basis of tests made last summer we recommend the marvelous new insecticide D.D.T., for gladiolus thrips. A residue of this material clings to the plant after spraying or dusting and kills insects which touch it. It excels in lasting effect and completeness of kill. For suitable forms of D.D.T. See page 90.

D. D. T. 40% Wettable Dust. For diluting in water for spraying or mixing with talc to prepare dust. One pound in 100 gallons of water makes effective spray. 8 oz. prepaid, \$1.00.

D. D. T. 30% Liquid Spray. D. D. T. in emulsion form safe to use on plants. Eight ounces make 25 gallons. 8 oz., \$1.50, prepaid, \$1.60.

D. D. T. 5% Dust. A ready-mixed garden dust; safe on all plants. 1 lb., 35c; postpaid, 45c; 5 lbs., \$1.25, postpaid, \$1.50.

Tartar Emetic. For those who prefer to use Tartar Emetic the U. S. Department of Agriculture recommends, after plants have reached 6 inches in height, weekly spraying with the following formula: $\frac{1}{4}$ lb. Tartar Emetic, 1 lb. brown sugar, 6 gallons of water.

We will ship Tartar Emetic, ceiling prices, postpaid for $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; 1 lb., \$1.00.



MAID OF ORLEANS



SHIRLEY TEMPLE



PEARL HARBOR

Summer Flowering Bulbs



AMARYLLIS

AMARYLLIS

Largest of flowers which are easily forced indoors, our new hybrids are gorgeous in size and coloring.

Vaughan's New Hybrids, Mixed. Flowers are immense, in an amazing range of color blends, splashed and striped in a manner not seen in other strains. $2\frac{1}{4}$ - $2\frac{3}{4}$ in. dia., each, 40c; doz., \$4.00; 100, \$32.00; $2\frac{1}{2}$ - $2\frac{3}{4}$ inch dia., each, 50c; doz., \$5.00; 100, \$37.50; $2\frac{3}{4}$ -3 inch dia., each, 60c; doz., \$6.00; 100, \$45.00; 3- $3\frac{1}{4}$ in. dia., each, 75c; doz., \$7.50; 100, \$55.00.

APIOS

Tuberosa. Splendid hardy climber. Color chocolate brown, fragrant. 2-4 bulbs should be planted together at a depth of 3-4 inches. Grows best in loose rich soil. Price, each, 15c; doz., \$1.50; 25 for \$2.50, prepaid.

CALADIUM ESCULENTUM

Elephant's Ear. Good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants.

First Size—5 to 7-inch circumference. Mailing weight, 4 lbs. per doz. Price, 3 for 30c, prepaid; doz., \$1.25; 25 for \$2.00, not prepaid.

Select Size—7 to 9-inch circumference. Mailing weight, 6 lbs. per doz. Price, 3 for 65c, prepaid; doz., \$2.50; 25 for \$4.00, not prepaid.

Extra Large—9 to 11-inch circumference. Mailing weight, 10 lbs. per doz. Price, 3 for 95c, prepaid; doz., \$3.50; 25 for \$6.00, not prepaid.

GOLDEN YELLOW CALLA LILY

Calla Elliottiana. Flower rich golden yellow; foliage dark green with creamy spots. Makes a good pot plant for indoor culture. Does well outside even in full shade. Besides blooms it will act as a foliage plant all summer. Each, 30c; doz., \$3.00; 100, \$22.50.

CALLA LILY

Richardia Maculata. Spotted leaf, white flower. Can be planted out of doors after danger of frost is over. Take up in fall before freezing. Each, 30c; doz., \$3.00; 100, \$22.50.

THREE ITEMS BELOW

Ready for delivery after June 25.
Order NOW.

RESURRECTION LILY

(*Lycoris Squamigera*) For Outdoor Planting

Amaryllis Hallii. Produces in early spring attractive green foliage which grows until May, when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later, as if by magic, the flower stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink shaded with clear blue.

Culture—The bulb is perfectly hardy without any protection. The proper time to plant is in the summer when the bulb is dormant. Cover the crown about four inches. Each, 85c; doz., \$8.50.

LYCORIS

Radiata. A coral red Spider Lily. Bulbs planted 5 inches deep July 15th, bloomed September 7th. This is not hardy, but has been known to survive freezing in pots. It sends up foliage in March. After the foliage dies down the bulb is dormant and sends its blossoms up in August or September. Lily-shaped flowers of orange-red. Each, 25c; doz., \$2.50; 100, \$18.00.

STERNBERGIA

Lutea. These bulbs planted about 4 inches deep July 15th bloomed from August 7th to September 7th. The flower is yellow and looks very much like a Crocus. They have a thin Hyacinth-like foliage. Hardy with some protection. Each, 30c; doz., \$3.00; 100, \$20.00.

Misc. Bulbs—Continued

BEGONIAS

uberous Rooted. Unexcelled summer for bedding. When fully exposed to the sun the beds must be kept moist. All prepaid.

Single. Red, orange, yellow, rose, white. Large flowered. Medium size, each, 35c; doz., \$3.50; 100, \$27.00. Large size, each, 45c; doz., \$4.50; 100, \$32.00.

Camellia Flowered Double. Red, yellow, rose, white, orange. Medium size, each, 35c; doz., \$3.50; 100, \$27.00. Large size, each, 45c; doz., \$4.50; 100, \$32.00.

Camellia Flowered or Frilled. Same colors as above. Medium size, each, 35c; doz., \$3.50; 100, \$27.00. Large size, each, 45c; doz., \$4.50; 100, \$32.00.

Pendula. Used in hanging baskets. Each, 35c; doz., \$3.50; 100, \$27.00. Double blooming, many fine pinks.

NEW BEGONIAS

Multiflora Hybrids. Mixed. In a shady place, where they can be well watered, these compact plants will bear double flowers of gorgeous coloring, measuring 2 to 3 inches across. They will blossom until killing frost. Each, 40c; doz., \$4.00; per 100, \$32.00.

Named Varieties. Each, 50c; doz., \$5.00; 100, \$37.50.

CINNAMON VINE

Dioscorea Batatas. Well-known hardy climber; quick grower.

Large Roots, 3 for 40c; doz., \$1.50; 25 for \$2.50, prepaid.

GLOXINIAS

These showy plants are easily grown in pots and transplanted to a garden bed, preferably in a semi-shaded place.

Mixed Colors. Each, 45c; 3 for \$1.25; doz., \$4.50.

HYACINTHUS CANDICANS

(Galtonias) Summer

Hyacinth. Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high. First size, each, 25c; doz., \$2.50, prepaid; selected size, each, 30c; doz., \$3.00, prepaid.

ISMENE CALATHINA

Peruvian Daffodil. Flowers are pure white, borne three or four on a stem and are very fragrant. Not hardy. Price, each, 35c; doz., \$3.00, prepaid.

LILY OF THE VALLEY

Large Clumps. For outdoor planting, clumps are best. Plant clumps in a shady, moist place. Each, 60c, 3 for \$1.50; doz., \$5.50, prepaid.

MADEIRA VINE

One of the best and most popular climbers for foliage effect. Price, 3 for 35c; doz., \$1.25; 25 for \$2.25, prepaid.

MILLA BIFLORA

New introduction from Mexico, where it is called Estrellitas, or Little Stars. Showy white flowers, two inches in diameter, with six petals not quite separated. The stems are wiry, 12 to 18 inches tall. Very free blooming from July to September. Flowers cut well and have a pleasant Lily-like fragrance. Should be dug in fall, except in milder climates. Each, 20c; doz., \$2.00; 100, \$15.00.

OXALIS

Summer-Flowering. Useful little plants, very effective in masses or beds and particularly valuable for edgings. They produce an unbroken row of foliage about one foot high in continuous bloom. Very fine to grow in hanging baskets indoors. The colors are white, red, pink. Price, any color, doz., 45c; 25 for 85c; 100 for \$3.00, prepaid.

BULBS SHIPPED SEPARATELY FROM SEED

Because of weather conditions during January, February and early March, we prefer to send out bulbs after March 20th, except to customers in the south or California, to whom we ship at once, packed against freezing. Customers should open the package upon arrival, and if bulbs cannot be planted at once, they should be placed in a dry and frostproof cellar until ready to plant.



DOUBLE BEGONIA



HYACINTHUS CANDICANS



GLOXINIAS



ISMENE CALATHINA



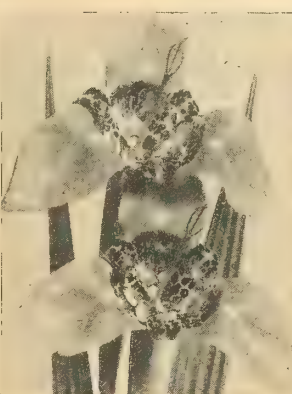
MILLA BIFLORA



TUBEROSES



MONTBRETIAS



TIGRIDIA



ZEPHYRANTHUS

MONTBRETIAS

Montbretias are easily grown and their graceful flower-stems add much to any garden. They are highly valued for cut flowers. Our mixture contains many bright shades of yellow, salmon, orange and scarlet.

They do best in a light, loamy soil enriched with leaf mould and a little lime, no manure. Where the ground freezes deeply in the winter, they can be treated as gladioli. But in localities where the ground does not freeze deeply, the usual winter protection may be given, and they will multiply. **Special Mixed.** Price, 3 for 40c; doz., \$1.50; 100, \$10.00; prepaid.

Earlham Large Flowered Hybrids. They are a completely new race, being generally much taller and more robust in growth, and having flowers of great size and beauty, some measuring 3 to 4 inches. **Mixed.** 3 for 55c; doz., \$2.00; 100, \$15.00; prepaid.

FAIRY LILY

Zephyranthus, Zephyr Lily

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.

Candida. Pure white and the most profuse bloomer of all. Doz., 85c; 25 for \$1.70; 100, \$6.00; prepaid.

Rosea. Beautiful clear rose; flowers large and very handsome. Each, 15c; doz., \$1.50; 100, \$9.00; prepaid.

TIGRIDIA

(Shell-Flower of Mexico)

Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. They bloom from July until frost. Height, 3 ft.

Red, each, 15c; doz., \$1.50; 100, \$10.00.
Yellow, each 20c; doz., \$2.00; 100, \$15.00.
Wine-Red, each, 20c; doz., \$2.00; 100, \$15.00.
Deep-Rose, each, 20c; doz., \$2.00; 100, \$15.00.
Rose, each, 20c; doz., \$2.00; 100, \$15.00.
Creamy White, each 25c; doz., \$2.50; 100, \$18.00.
Mixed. Price, 3 for 55c; doz., \$1.50; 100, \$10.00; prepaid.

TUBEROSES DOUBLE

(Polianthes Tuberosa)

Excelsior Dwarf Pearl Double. Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut flower. If started in pots, and at the end of May moved to open ground, can be flowered much earlier. **First Size—Each,** 20c; doz., \$2.00; 25 for \$3.75; prepaid. **Second Size—Price,** doz., \$1.25; 25 for \$2.50; prepaid. **Mexican (Single)—** They have tall, stiff stems, flowers pure white, single; true tuberose fragrance. Price, doz., \$1.25; 25 for \$2.50; prepaid.

Vaughan's High Grade Fertilizers

● The ceiling prices given below on this page are those in effect at the time this catalogue goes to press. Should increases in these ceiling prices authorized by the Office of Price Administration, we reserve the right to increase our ceiling prices in accordance with such authorization. Should changes in formulas be ordered by the government authorities, then where necessary the formulas offered below will be changed in accordance with such regulations.

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50 and 100 lb. lots. Smaller quantities delivered with orders of seeds, bulbs and supplies of \$2.00 or more. On larger quantities than 100 pounds, owing to close quantity prices, the customer pays all freight or express charges.

A¹ Balanced Rose Ration (7-8-5)

ALL-ORGANIC FOR ALL GARDEN USE.

All-Organic Rose Food (7-8-5). An organic, no filler, 100% Plant Food of Dried Blood, Fish Scraps, Bone Meal, Potash, Cottonseed Meal and Phosphate. This is a special mixture for growing roses and is a balanced, all purpose fertilizer which can also be used on all flowers, shrubbery, etc. This type mixture has been used by commercial growers and florists for many years and has given excellent results. Price, 1 lb., 25c; 5 lb. bag, 75c; 10 lbs., \$1.35; 25 lbs., \$2.85; 100 lbs., \$8.95.



VAUGHAN'S BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the western prairies. Our Bone Meal has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen, 2 percent; total phosphoric acid, 22 percent. Ceiling prices, 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.10; 500 lbs., \$18.50.

VAUGHAN'S SHEEP MANURE

This is a pure, natural manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest liquid manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.35; 50 lbs., \$1.95; 100 lbs., \$2.75; 500 lbs., \$12.00.

Shredded Cattle Manure. Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. 25 lbs., \$1.35; 50 lbs., \$2.40; 100 lbs., \$3.25; 500 lbs., \$12.50; 1,000 lbs., \$24.00.

Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. of Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Ceiling prices, 7½ lb. bag, \$1.00; 25 lbs., \$2.50; 150 lbs., \$11.50. Write for booklet.

Aluminum Sulphate. For creating acid condition in the soil. Ceiling prices, 1 lb., 15c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 100 lbs., \$4.75.

Ammonium Nitrate. Nitrogen content 34%. Since it is almost impossible to secure Sulphate of Ammonia and Nitrate of Soda, this is a good substitute and runs much higher in Nitragin content. Ceiling prices, 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$1.60; 50 lbs., \$2.75; 100 lbs., \$4.25.

Bacto. Make your own fertilizer easy, quick—often in as little as three weeks. Just sprinkle Bacto on kitchen waste, leaves, garden rubbish, sewage sludge, etc. 5-pound bag makes up to a ton of rich, soil-building organic humus, better than manure. Sprinkle in outdoor toilets; reduces odors, makes easily-handled ash of waste. 5-lb. bag, \$1.75, postpaid, \$1.95; 25-lb. bag, \$5.50; trial 4-oz. carton, 35c, postpaid.

Driconure Improved. Fertilizer with a peat-moss base impregnated with a high grade manure. Per 50 lb. bag, \$2.75; 5 bags for \$12.50; 10 bags for \$24.00.



Electra Fertilizer (4-9-3). A high organic all around plant food for feeding, forcing and finishing. The best substitute for Clay's fertilizer, formerly imported from England. Ceiling prices, 25 lbs., \$4.25; 50 lbs., \$6.50; 100 lbs., \$11.00.

Fulton's Plantabbs. Odorless plant food in tablet form, supplies a completely balanced plant food including vitamin B-1. Ceiling prices, per box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, \$1.00; postpaid. Large size approximately 1,000 tablets, \$3.50.

Hyponex Plant Food. Can be used in dry or liquid form; teaspoonful makes 1 gallon. Contains vitamin B1. Analysis: 7 percent nitrogen; 6 percent phosphoric acid; nineteen percent potash. Ceiling prices, 3 oz. tin, 25c; 1 lb., \$1.00; 5 lbs., \$8.00; 25 lbs., \$15.00; 50 lbs., \$25.00; 100 lbs., \$40.00.

Hy-Gro. Analysis: 13-26-13. The soluble plant food and starter solution. 3 oz., 30c, postpaid; 20 oz., \$1.10, postpaid; 10 lbs., \$4.00.

Kem Liquid Plant Food. For summer use. A complete balanced ration for lawns, plants and trees. A nutrient solution containing all essential elements; nitrogen, phosphate, potash, including calcium boron, sulphur, etc. Merely dilute Kem solution with hydrant water. Directions on container. Ceiling prices, house plant size, 25c; qt. size, 50c; gal. size, \$1.25.

Liqua Vita. A liquid plant food contains all the necessary elements, ¼ oz. will make 1 gal. of solution. Ceiling prices, 8 oz., 45c; qt., \$1.00; gal., \$3.50.

Lime Phosphate, Ruhm's. Nature's source of phosphorus. The most phosphate at lowest unit cost. Ceiling prices, 100 lbs., \$2.45; 500 lbs., \$9.00; 1,000 lbs., \$16.00; 2,000 lbs., \$29.00.

Vaughan's Lawn and Garden Fertilizer (4-12-2)

This mixture is composed of plant foods in mineral form. The advantages of mineral fertilizer include the absence of objectionable odor and the quality of being more readily soluble, which makes it more quickly effective upon plant growth. This is an excellent mixture for regular use in the garden plot in small quantities to insure vigorous growth.

For a new lawn, broadcast evenly 30 to 40 lbs. per 1,000 square feet. To stimulate an old lawn, apply 20 to 30 lbs. per 1,000 square feet, and during the growing season, wash it down immediately with the hose to prevent burning. For flowers and vegetables, use from 4 to 6 lbs. per 100 square feet. 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.45; 50 lbs., \$2.35; 100 lbs., \$3.70; 500 lbs., \$17.75.

Vigoro. Complete Plant Food. Supplies in balanced form the eleven vital plant food elements for hardy, beautiful plants. Clean, odorless, sanitary, and easy to use. Vigoro has brought gardening success to millions of home owners everywhere. Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.



Vaughan's Special Lawn, Tree and Shrub Food

10% nitrogen, 8% available phosphoric acid, 6% potash. Excellent for all types of shade trees and evergreens. For shade trees apply in holes drilled 16 inch deep and 2 feet apart under drip of outside branches at rate of ¼ pound for each foot in height of tree up to 50 lbs. per tree. For evergreens use ½ pound per foot in height of tree, and work into surface soil. 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

Loma. Beautifies lawns and gardens, a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in nitrates, phosphate and potash; contains no filler. Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

Milorganite. Activated sludge fertilizer, free of weed seeds. Feeds over a long period. Ceiling prices, 25 lbs., \$1.10; 50 lbs., \$1.80; 100 lbs., \$3.00; 500 lbs., \$12.75; 1,000 lbs., \$24.50.

Muriate of Potash. Should be used liberally, especially for all root crops. Ceiling prices, 25 lbs., \$1.50; 50 lbs., \$2.45; 100 lbs., \$3.85.



Nitragin. The Original Legume Inoculation

Culture A. For alfalfa, sweet clover, burr clover and hubam clover. Ceiling prices, 1 bu. size, \$3.00; 2½ bu. size, \$1.00.

Culture B. For clovers, medium and mammoth red, alsike, crimson and white. Ceiling price, 1 bu. size, 50c; 2½ bu. size, \$1.00.

Culture C. For all vetches. Peas, Austrian, Canadian, golden and sweet peas, broad beans and lentils. Ceiling prices, medium size will inoculate up to 100 lbs. seed; 50c large size will inoculate up to 1200 lbs. seed; \$5.70.

Culture D. For Beans. String, snap, wax, navy, kidney and scarlet runner. Ceiling price, 1 bu. size, 35c.

Culture E. For peanuts, cow peas, velvet beans and lima beans. Ceiling price, small bu. size, 30c; 5 bu. size, 55c; 25 bu. size, \$2.50; 30 bu. size, \$3.25.

Culture L. For all Lespedeza, large size inoculates up to 100 lbs. Ceiling price 50c.

Culture S. For Soy Beans, all varieties. Ceiling prices, small size inoculate up to 120 lbs., seeds, 30c; 5 bushel size, 55c; 25 bushel size, \$2.50; 30 bushel size, \$3.25.

Garden Size. For garden peas, sweet peas, beans, lima beans and lupines. Ceiling prices, pkt., 10c; three for 25c; each packet will treat up to 6 lbs. of seed. Lupines, all varieties. Per can, 50c. Will inoculate up to 100 lbs. seed.

VAUGHAN'S PEAT MOSS

IMPORTED HORTICULTURAL GRANULATED

A moisture-retaining humus. An important aid in saving soil fertility, better than manure; prevents the formation of hard top crust and fungus growth. Home garden size bag, about 6 bushels when broken up finely, \$2.60; large bale of about 20 bushels, \$4.95.

Peat, Orchid. Very useful for orchids and azaleas. \$4.75 per sack, or about 20 bushels.

Sani-Soil. For better growth, much less watering and practically no weeding. A proven soil conditioner for gardens, flowers, lawns, shrubs, 25 lb. bag, each \$1.50.

Super Phosphate. Twenty percent available. Ceiling prices, 25 lbs., \$1.15; 50 lbs., \$1.75; 100 lbs., \$2.75; 500 lbs., \$9.75; 1000 lbs., \$18.00; 2,000 lbs., \$33.00.

Stim U Plant Tablets Plus Vitamin B¹. For potted plants. Well balanced plant food. Ceiling prices, per pkg. of 30 tablets, 30c, postpaid; large pkg., 100 tablets, 75c, by mail, 85c; package of 1000 tablets, \$3.50.

FLORALIFE

Makes your cut flowers live longer. Pkt. to make 1 qt. solution, each, 10c, three pkts. for 25c. Home size tin makes 30 qts., each, \$1.00; 100 qt. size, each, \$3.00; gift pkg., \$1.00.



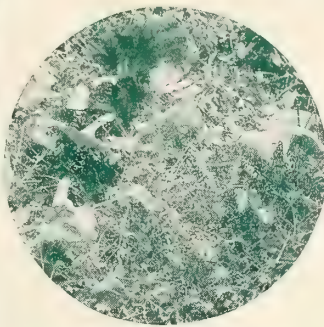
New Chemical Marvels

Rid Garden of Weeds and Pests

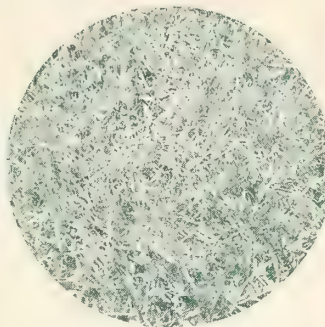
Dandykill Exterminates Lawn Weeds Leaving Blue Grass Unhurt



**GIANT THISTLE IS THOROUGHLY
SPRAYED WITH DANDYKILL**



LAWN BEFORE SPRAYING



LAWN TWO WEEKS LATER



**FOUR WEEKS LATER THISTLE IS
DEAD TO THE ROOT TIPS**

Dandykill is a form of the remarkable weed killer 2, 4D, which in our judgment is best suited for use by amateurs with ordinary spray equipment, because:

It is the most economical, a powder rather than liquid, which saves shipping weight, and completely soluble in water, making it easier to prepare and use, and to clean from your spray equipment after use.

The growth regulating chemical (hormone) 2, 4 dichlorophenoxyacetic acid, commonly known as 2,4D, is used in varying forms and strengths for horticultural purposes, and has been proved to act as a selective weed killer when sprayed in the proper strength on plants to be destroyed.

Extensive experiments made last summer established the fact that when used correctly, this chemical is harmless to blue grass and red top, which are usually combined in lawn mixtures, and also to fescues. It is not effective against crab grass and may injure bent grasses. It retards the growth of white clover and often kills it.

Tests made in many parts of the country have proved this chemical to be fatal to the following weeds found in lawns: Buttercup, chaerophyllum, chickweed, cinquefoil, cress, dandelion, dichondra, dock, fleabane, gill-over-the-ground, heal-all, henbit, knotweed, lespezeza, lippia, moneywort, mustard, onion, pennywort, pepper-grass, both broad and narrow leaf plantain, pussy-toes, shepherd's purse, speedwell, thistle, veronica and whitlow.

In general it may be said that it rids the average lawn of most weeds, without injuring blue grass, in fact many reports say that following its use blue grass improves in color and vigor.

Bent grass is not always injured but if sprayed when in full growth its leaves may be killed, though new growth in from two to four weeks is probable.

Time To Apply—U. S. Government scientists recommend that weeds be sprayed when vigorous early growth is well established, dandelions just before they flower. When treated, they say, weeds die because their food reserves are used or burned up. Thick roots of dandelions become soft in three weeks, and under warm, moist conditions the whole plant, roots and all, disintegrates entirely in about two months.

Visible Effects on Weeds. Leaves curl up, then turn yellow, and finally die. First effects are apparent in from 24 hours to 6 days after spraying, and lawn weeds usually disappear in two to three weeks.

Danger in Use. Greatest care must be taken to prevent Dandykill spray from touching desirable plants, which may be killed or deformed as a result. Especially important is it that sprayer equipment be thoroughly cleaned after using for 2,4D, lest some trace remain to mix with other spray materials, and injure plants sprayed with it. Being soluble in water, Dandykill is more easily cleaned from spray equipment than are the forms of 2,4D which are dissolved in oil or wax. Nevertheless care must be taken to insure that no remnant of 2,4D remains in the form of liquid, or deposit on the walls, before the equipment is used for another purpose. Wash with soap suds and rinse with hot water several times.

Kills Weeds Not Found in Lawns. Dandykill is fatal to weeds not found in lawns including poison ivy, bindweed, sumac, sheep sorrel, thistle and many others.

How to Apply. It is best applied in a fine spray, at the strength recommended on the package, thoroughly wetting the plants to be destroyed. Directions for using it with a dry carrier are supplied with each package.

For suitable sprayers, see page 92.

Dandykill: Ceiling prices, 2 ounces (will treat 800 square feet) prepaid, 55c. 6 ounces (will treat 2,500 square feet) prepaid, \$1. 24 ounces (will treat 10,000 square feet) prepaid, \$3. 6 pounds (will treat 40,000 square feet) \$10.00, by express, charges collect.

Use Protexall for Most Insects and Diseases

A one-shot spray or dust that protects plants from most insects, fungi and bacteria. From a single package, this post-war formula enables you to apply to both food and ornamental plants in one all-inclusive operation the four most effective materials for combatting plant pests which war-time invention and world-wide tests have approved:

D. D. T., the marvelous insecticide developed by war experience which kills most garden insects, except some aphids, bean beetles, and red spiders.

Rotenone, most effective of the pre-war materials, non-poisonous to animals, but fatal to aphids, bean beetles, and all others which may be unharmed by D. D. T.

Fermate, greatest discovery in fungicides, hitherto unobtainable for gardens, harmless to all plants, and giving complete protection from many pests which resist other materials.

Sulphur, safest and most effective pre-war fungicide, which deals with most troubles which fermate does not.

With this one preparation the amateur gardener can be sure of applying the most effective modern remedy to every case of insect or disease injury which may threaten his garden, whether he grows flowers or food.

To give equal protection, with separate sprays or dusts, it would be necessary for him to keep in stock a contact insecticide, a stomach poison, and at least two remedies for fungi and bacteria. To use these separate materials effectively, he would be obliged to diagnose the trouble which was threatening his plants, and select the correct materials to deal with it, otherwise his effort might be in vain. Even experienced gardeners are often unable to diagnose garden trouble; sometimes there is doubt whether an injury is due to insects or disease. The need for a combined spray and dust has been felt for generations, and many attempts have been made to provide it. With pre-war materials it was difficult to find a

combination which would be fatal to all pests, yet harmless to all plants, which would combine without loss of effectiveness by any constituent and keep in combination without deterioration.

These difficulties have disappeared with the development of Fermate and D.D.T., which became known during the war, and will be made available for general garden use this year for the first time. These materials have such marvelous scope that their limitations are not yet fully known. D.D.T. controls most chewing insects, and many juice drinkers which defy pre-war materials, such as leaf hoppers and flea beetles, and European corn borer. It destroys with amazing effectiveness Japanese beetles, cabbage worms, most caterpillars and beetles, but not the Mexican bean beetle, and some plant aphids but not all. Rotenone, however, will exterminate those against which D.D.T. is ineffective.

Fermate has been chiefly used so far in greenhouse and garden experiments where it has proved harmless to the most delicate plants, and a reliable specific for black spot on roses, leaf spot on chrysanthemums, snapdragon rust, most scale insects, anthracnose of tomatoes and brown rot of cherries. If there are forms of fungi and bacteria which fermate will not touch, then sulphur is added to take care of them. Sulphur used in Protexall is in a form which will not injure any garden plant.

Protexall is prepared in two forms, one for use as a spray, and one for use as a dust. The proportion of each material used in Protexall is scientifically correct, in order to insure maximum effect. Protexall spray is a powder which mixes easily with water. Protexall Dust comes mixed with a spreader and is ready for instant use. It is necessary to order the form you prefer and have the equipment to use, since the spray material does not make an efficient dust, and the dust is prepared with an inert filler, and cannot be used as a spray.

Protexall Spray, 1 oz., 35c, prepaid 40c; 4 oz., \$1.00 prepaid \$1.10; 1 lb., \$3.00 prepaid; 5 lbs., \$12.00 F. O. B. Chicago or New York.

Protexall Dust, 1 lb., 75c, prepaid 85c; 4 lbs., \$2.00, prepaid \$2.25; 50 lbs., \$17.50, F. O. B. Chicago or New York.

D. D. T. and Other New Chemical Garden Aids

D.D.T. is the outstanding new material of universal value; every gardener will need one or more of its various forms. It controls most chewing insects and many juice drinkers which defy prewar materials, such as leaf hoppers, flea beetles, European corn borers and the gladiolus thrips. It kills Japanese beetles, cabbage worms, leaf rollers, most caterpillars and beetles, but not the Mexican Bean beetle; and some plant aphids but not all. For flies, mosquitoes and all household pests, it is unrivaled. Forms for all uses are listed below.

D. D. T. 40% Wettable Dust. For diluting in water for spraying, or mixing with talc to prepare dust of desired strength. One pound in 100 gallons of water makes effective garden spray leaving a heavy residual deposit on plants. Three pounds to 100 gallons of water makes effective and safe spray for cattle, horses, hogs and other farm animals, or residual spray for walls of barns, stables, hog or poultry houses and milk sheds. 8 oz., postpaid, \$1; 1 lb., postpaid, \$1.35; 5 lbs., \$4.95, prepaid for \$5.25.

D. D. T. 30% Liquid Spray. D. D. T. in emulsion form has given results on some insects superior to those from wettable powders. This is safe to use on garden and greenhouse plants, also for spraying barns and other buildings to control flies. Eight ounces will make 25 gallons of garden spray. 8 oz., \$1.50, prepaid \$1.60; 1 gallon (makes 400 gallons of garden spray) \$15.00, shipped by express, charges collect.

D. D. T. 5% Dust. A ready-mixed garden dust of D. D. T. combined with a fine, light-weight filler, safe to use on all plants in gardens and greenhouses, also on livestock, dogs, pet animals (except cats) and poultry. Its extra strength assures maximum pest control. 1 lb. 35c; postpaid, 45c; 5 lbs., \$1.25, postpaid, \$1.50; 25 lbs., \$4.50, shipped by express charges collect.

D. D. T. Household Spray. An oil spray for lasting control of household pests. For spraying or brushing on screens and porch walls, and general household use according to directions. Kills bedbugs, flies, mosquitoes, moths, ants, silverfish and many others. Do not use on plants or animals. Quart 65c; prepaid for 75c; gallon \$1.85, shipped by express charges collect.

D. D. T. Aerosol Bomb. When released from the bomb in five to seven seconds, non-poisonous Freon gas impregnated with 3% D. D. T. and 2% pyrethrum, both deadly to insects, completely fills a room, killing insect life and leaving a deadly deposit which will protect from pests for weeks. Moths, mosquitoes, roaches, flies and other household pests are exterminated. Safe to use and harmless to clothing and furniture. One bomb will last the average household months. Aerosol bomb, contents 16 oz., \$3.00, postpaid \$3.25.



Aerosol Bomb



Seedless Cucumber left, Normal Fruit on right

SEED-LESS-SET HORMONE SPRAY

A new scientific development insures "set" of first tomato and cucumber flowers which usually fall off during early spring; eliminates seeds; causes weeks earlier ripening; increases yield and size of fruit; pollinates self sterile plants. Eight ounces, \$1.00; quart, \$3.00, prepaid; gallon, \$9.00, by express.

New Insecticide Makes Plants Poisonous to Insects

Sodium Selenate, applied to an ornamental plant or the soil about it, is absorbed by the plant tissues and destroys many insects that attack the plant. Never use on food crops. It is completely effective on red spider, mites and aphids on chrysanthemums and carnations, midge on chrysanthemums and cyclamen mites on chrysanthemums and saint paulias.

Excellent results are reported on control of gladiolus thrips and chrysanthemum pests outdoors. Safest method of outdoor use is to apply P-40, containing 2% sodium selenate, 3 lbs. to 100 square feet, or 100 feet of row. Broadcast after planting, and rake into top soil. Sodium Selenate must never be applied to soil in which food crops are grown, or will be grown within two years after the application. P-40, containing 2% sodium selenate, 3 lbs., (to treat 100 square feet or 100 feet of row) \$1.50, prepaid; 25 lbs., \$6.50 by express, charges collect.

Post-war Fungicide.

Fermate. This new fungicide which has been thoroughly tested gives remarkable control of plant diseases, with safety to all plants. Reliable specific for black spot on roses, leaf spot on chrysanthemums, snapdragon rust, anthracnose of tomatoes, and brown rot of cherries. Recommended for use against all fungi and mildews. 1 lb., \$2.00 postpaid; 3 lbs., \$3.75, prepaid for \$4.00; 25 lbs., \$25.00, shipped by express, charges collect.

Various Chemical Weed Killers

WEEDONE

TRADE MARK

It kills the plant under ground as well as above ground. Does not irritate skin and does not corrode metal or spray equipment. Will not leave residue on plants that is hazardous to livestock or pets. Does not sterilize the soil. Mix one part to sixty parts of water. Will kill Poison Ivy, Bindweed (Morning Glory), Ragweed, Burdock, Dandelion, Plantain, etc. Price, 6 oz., \$1.00; per quart, \$3.00; gallon, \$10.00; 5 gals., \$35.00; 54 gals., \$324.00.

HERBICIDE

THE WEED EXTERMINATOR



For ordinary grass and weeds, each part of Herbicide may be diluted with forty to fifty parts of water. One gallon will cover app. 2,500 sq. ft. Herbicide is a poison. Live stock should be kept off the treated ground until the dead leaves wither away. Qt., 75c; gal., \$2.00; 5 gals., \$7.50; 10 gals., \$12.50; 55 gals., \$44.00. A \$6.00 deposit is required on drums. Drums returnable prepaid for credit in good condition within 30 days.



ZOTOX CRAB GRASS KILLER

Kills both the plant and seeds of Crab Grass and checks reinfestation. It does not destroy lawn grasses and is non-injurious to soil. Simply mix with water and spray. When used as an over all spray, it kills dandelion, plantain, buckhorn, etc.—The 8 oz. bottle (1.00 size) makes 5 gallons and treats 1,000 sq. ft. For spot treatment of small patches it goes much further. 8 oz. bottle, \$1.00; 16 oz. bottle, \$1.50; 32 oz. bottle, \$2.50; 5 lb. bottle, \$4.50.

GETZUM WEED GUN

Kills dandelions and other weeds without injury to lawn. Does not sterilize the soil. Does not corrode or rust metals. Insures easy and economic application. No stooping or back breaking. Place cane on crown of dandelion or weed and press handle lightly. A small amount of chemical is released and does all the work. Price complete with liquid, \$1.75. Killer Kemical, pint, 30c.

Plant Hormones



An improved rooting compound containing several different hormone-like chemicals in sufficient quantities to produce root stimulation in the hard type of cuttings, and still is safe to use on the softer, more easily injured plants. Also contains a fungicide that checks fungi that rot cuttings. A small amount of dust will coat each cutting evenly, making a pound go further. Price, 3/4 oz. packet, 50c; 2 oz., \$1.00; 1 lb., \$5.00.

PLANT STIM

This is a complete Hormone, including necessary vitamins for treating of transplants of all kinds. Besides containing root forming Hormones and Vitamin B1 and other members of the Vitamin B Complex which are important in plant growth, it has fungicidal value. Stimulates quick growth of transplants and prevents wilt. Price, 3 oz. jar, 50c; lb. jar, \$2.00, postpaid.

FRUITONE

Hormone spray for preventing preharvest drop of apples. Holds apples on the tree longer. Fruitone sprayed on flowers produce better set of seed and fruit, such as tomatoes, and beans. 2 1/2 oz. pkg., 25c; 2 oz. can, \$1.00, makes 25 gals. of spray; 12 oz. can, \$5.00, makes 150 gals. of spray.

ROOTONE

A hormone powder easy to use, anyone can apply safely, no skill is needed to apply Rootone, no measurements, no vials, no elaborate charts to follow, just dip and plant. Price, 1/4 oz. pkg., 25c; 2 oz. jar, enough to treat 3,000 cuttings, \$1.00; 1 lb. jar will treat up to 30,000 cuttings, \$5.00.

Rootone No. 10. For rooting of Azaleas, and other woody cuttings. 2 oz. jar, \$2.00; 1 lb. can, \$10.00.

Write for leaflet; all postpaid.

TRANSPLANTONE

The most effective form of vitamin B1, contains plant hormone, vitamins B and C and other growth substances. One level teaspoon makes 10 gallons of solution, water your plants with Transplantone to get better roots, more vigorous growth and quality flowers. 1/2 oz., pkt., 25c; 3 ounce can, \$1.00; 1 lb. can, \$4.00.

GRAIN-O

Bigger yield at amazing low cost. Just dust Grain-O powder on all your garden and field seed. It inoculates it with hormones and vitamins; makes bigger rooted, drouth resistant plants; encourages healthier growth, increases yield. For corn, costs only 1/2c to 4c an acre. Packet sufficient for average garden, 25c. Popular 20-in-one size for market garden and small farm, contains 20 individual treatment packets, \$1.50; pound size, \$3.95.

HORMODIN POWDERS

Stimulate Root Growth on Cuttings.

POWDER NO. 1. Designed primarily for use on Carnations, Chrysanthemums, Poinsettias, Roses, and similar types. Many house, garden, and greenhouse plants are included in the complete list. Price, 1 1/4 oz. pkg., each, 50c; 1 lb., \$3.00.

POWDER NO. 2. Designed for use on less sensitive species, which comprise many of the semi-woody types and many of the common shrubs. Price, 1 1/4 oz., 75c; 1 lb., \$4.50.

POWDER NO. 3. Designed for use with the more resistant species which comprise most of the evergreens and dormant leafless cuttings. Price, 1 oz., \$1.00; 1/2 lb., \$4.50.

The three Hormodin Powders are designed to cover the full propagating range with a one-dip treatment. Complete directions for each powder are included.

COMBINATION PACKAGE OF NO. 1-2-3. In one carton, each, 75c.

Zoom B1

The only liquid vitamin B1 plant growth stimulant with added chemicals to keep its strength indefinitely. 2-oz. dropper top bottle, enough to make 250 gallons of solution. Price, \$1.00.

MACKWIN. LIQUID VITAMIN B1

One-half oz. bottle makes 120 gallons solution. Each 35c, postpaid, 40c; 2 oz. bottle, \$1.00. Vitamin B1 Crystals, hundred milligram bottle makes 2000 gallons each, \$1.00.

STOMACH POISONS

ACME BAIT-m, with metaldehyde. A double action insect bait to control cut worms, sow bugs, grasshoppers, etc. Ceiling prices, 1 lb., 35c; 2½ lbs., 65c, postpaid.

ANTROL Sets containing 4 jars and 4-oz. bottle of syrup. Ceiling price, 60c; extra jars each, 10c. 4-oz. bottle syrup, 25c. Pint bottle, 50c; gal., \$2.75.

ANTROL ANT TRAPS. Kill both sweet and grease eating ants. Ceiling prices, each, 10c; 6 for 50c.

ANTROL READY FILLED SETS. Consisting of four patented glass "feeders" filled with regular antrol syrup. Ceiling price, per set, 40c.

ARSENATE OF LEAD (Dry). For dusting and spraying. Solves the problem of controlling practically all leaf-eating insects in an efficient manner. Ceiling prices, 1 lb. carton, 35c; 4 lbs., 95c; case of 48 lbs., \$7.50; 100 lbs., \$14.00.

CALCIUM ARSENATE (Dry). Ceiling prices, lb., 35c; 4 lbs., 85c; case, 48 lbs., \$6.00.

PARIS GREEN. A poisonous insecticide in powder form; for insects which chew. Ceiling prices, ¼ lb., 20c; per lb., 55c; 5 lbs., \$2.50; 14 lbs., \$6.00.

SLUG SHOT, Hammond's. Guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. Ceiling prices, 1 lb., 30c; 5-lb. tin, \$1.20; 25-lb. bag, \$5.50; per keg, 125 lbs., \$21.25; barrel, 250 lbs., \$36.00.

SNAROL. An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. Ceiling prices, 1 lb., 25c; 10 lbs., \$1.50.

TARTAR EMETIC. The new recommended spray for control of gladiolus thrip. Ceiling prices, ¼ lb., 35c; ½ lb., 60c; lb., \$1.00.

THRIP JUICE No. 2. Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Ceiling prices, pt., 90c; qt., \$1.50; gal., \$5.50.

VERMINE. For eel, cut worms and wire worms, working in the soil. Can be applied to all vegetation. Ceiling prices, ¼ pt., 45c; pt., 75c; qt., \$1.10; gal., \$3.00.

ROTENONE PREPARATIONS

ACME GARDEN GUARD. A strong, safe rotenone dust in 1-lb. shaker top cans. Ceiling prices, each, 40c; postpaid, 50c; 6 lb. pkg., \$1.10.

BUG-A-BOO GARDEN SPRAY. Containing Rotenone. The ideal spray for vegetable crops. Ceiling prices, 4 oz. bottle, 50c; 8 oz. bottle, 75c. Postage, 10c extra.

BUG GUN. A practical self-dusting package, consisting of Rotenone, all ready to use. Complete with dust. Ceiling price, each, 50c, postpaid, 60c.

KALITE. Rotenone impregnated dust for Victory Gardens. Ceiling prices, 1 lb. pkg., 35c; 4 lb. bag, \$1.00; 25 lb. bag, \$3.75.

SNOR GARDEN SPRAY. Containing Rotenone. A very effective and tried insecticide for controlling chewing and sucking insects. Ceiling prices, 1 oz. bottle, 35c; 6 oz., \$1.00; 16 oz., \$2.15; gallon, \$13.50.

RED ARROW Garden Spray. Non-poisonous, kills by contact, both chewing and sucking insects will not burn or stain tenderest foliage, ounce will make 4 to 8 gals. spraying solution. Ceiling prices, 4 oz., 35c; 4 oz., \$1; pt., \$2.85.

ROTECIDE. Contact and stomach poison. Kills mites, mealy bug, beetles, thrips, aphids, etc. Ceiling prices, 35c; ½ pt., \$1.00; pt., \$1.75; qt., \$3.00.

D. D. T.—ROTOTEC

The ideal Home Garden spray insecticide.



While retaining full strength rotenone content, this preparation has been improved by adding 5% D.D.T., making an all around insect killer from which few if any pests can escape. Rotenone kills bean beetles, aphids, mites and others which resist D.D.T., while both are deadly to most other garden insects. Can be used in combination with other insecticides and fungicides. Particularly effective in the control of many types of beetles such as, Mexican Bean Beetle, and Potato Flea Beetle, Cabbage Worms, Plant Loe, Aphids and Thrip, etc. Ceiling prices, 1 oz. bottle, 35c; 4 oz. bottle, \$1.00; pint, \$2.75. Ounce makes 4 to 6 gallons spraying solution.

CONTACT INSECTICIDES

APHIS SPRAY. Improved Nicotine Spray. Combining a soft fish-oil soap with black leaf 40. Ceiling prices, per 3-oz. tube, 35c; 12-oz. tube, \$1.00.

BLACK ARROW DUST. A non-poisonous pyrethrum dust, effective against many insects. Ceiling prices, 2 lb. bag, 50c.

BLACK LEAF 40 is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully. Ceiling prices, 1-oz. bottle, 36c; 5-oz. can, \$1.05, makes 40 to 100 gallons; 1-lb. bottle, \$2.50, makes 40 to 200 gallons; 2-lb. can, \$3.70, makes 200 to 500 gallons; 5-lb. can, \$6.90, makes 400 to 1000 gallons; 10-lb. can, \$11.65, makes 840 to 2100 gallons.

Sprays and Dusts

Weights—By mail ½ pt., 1 lb.; pt., 2 lbs.; qt., 3 lbs.; where prepaid prices are not specified, add 10 cents per lb. for postage; otherwise shipment will be by express charges collect.

CONTACT INSECTICIDES—Continued.

DX PYRETHRUM. Liquid spray. Ceiling prices, 1½ oz. bottle, 35c; 1½ pint bottle, \$1.25.

FISH-OIL SOAP. Standard wash for trees and plants where insects and eggs affect the bark. Ceiling prices, lb., 35c; 7½ lbs., \$2.25.

LEMON OIL. Destroys mealy bug, scale, red spider. Ceiling prices, ¼ pt., 35c; pt., 60c; qt., \$1.00; ½ gal., \$1.75; gal., \$3.00, 5 gals., \$12.00.

NICO-FUME POWDER PRESSURE FUMIGATOR. Is now burned under pressure in the can in which it is packed. Ceiling prices, ¼ lb. can, 60c; doz., \$6.00; 1-lb. can, \$1.00; doz., \$9.00.

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent nicotine. Ceiling prices, 1 lb., \$2.50; 4 lbs., \$7.10; 8 lbs., \$13.00.

NICOTINE PYROX. For chewing and sucking insects. Ceiling prices, 20 oz. jar, 60c; 5 lbs., \$2.00.

PENETROL. An activator for nicotine spraying solutions. Ceiling prices, qt., 85c; gal., \$2.00; 5 gals., \$7.50.

PYRETHRUM POWDER. Ceiling prices, lb., 85c; 5 lbs., \$3.75; 10 lbs., \$6.75.

SCALECIDE. A complete dormant spray for fruit trees, shade trees and ornamentals. Controls scale and invigorates growth. Use 1 gal. to 15 gals. water. Ceiling prices, qt., 75c; gal., \$1.75; 5 gals., \$6.35; 10 gals., \$10.90. Write for price in barrel lots.

SELOCIDE. Kills red spiders. Ceiling prices, gal., \$4.00; 5 gals., \$16.75.

TOBACCO DUST (Regular Grade). Ceiling prices, 5 lbs., 50c; 10 lbs., 85c; 100 lbs., \$4.50.

TOBACCO STEMS. Ceiling prices, 100 lbs., \$2.75; 500 lbs., \$10.50; 1,000 lbs., \$20.00.

FUNGICIDES

ACME WETTABLE DUSTING SULPHUR. An improved dusting sulphur recommended to control Mildew, Leaf Spot, Black Spot, and Rust on rose bushes, chrysanthemums, snapdragons and other foliage, also Red Spiders on Evergreens. Will control chiggers in the lawn. Ceiling prices, 2 lb. Shaker top package, 35c; 4 lb. bag, 60c.

ACME COPPER QUEEN. A strong liquid copper spray for control of mildew, leaf spot, and black spot on roses, flowers and plants. Ceiling prices, 8-oz. can, 35c; pt., 60c; qt., 95c; gal., \$2.25.

BORDEAUX MIXTURE (Dry). The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Ceiling prices, lb., 35c; 4 lbs., 95c; case of 24 lbs., \$4.85.

DRY LIME SULPHUR. For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Ceiling prices, lb., 35c; 5 lbs., \$1.50; 25 lbs., \$4.50; 100 lbs., \$12.50.

FLOWERS OF SULPHUR. For dusting. Ceiling prices, lb., 15c; 10 lbs., \$1.00; 50 lbs., \$3.00; 100 lbs., \$5.50.

FORMACIDE FORMALDEHYDE DUST. Control "damping off" of flower and vegetable seedlings. Ceiling prices, 1 lb., 85c; 5 lbs., \$2.50; 25 lbs., \$10.00; 50 lbs., \$17.50.

FUNGINE. New remedy for mildew, rust and other fungus diseases; for greenhouse and outdoor use. Ceiling prices, pt., 65c; qt., \$1.10; gal., \$3.00.

FUNGITROGEN. A preventive and remedy for mildew, black spot, and many fungus diseases of roses and other plants. Ceiling prices, ¼ pt., 75c; pt., \$1.25; qt., \$2.00; gal., \$6.00.

GRAPE AND ROSE DUST. Excellent for the prevention and destruction of mildew on plants. Ceiling prices, lb., 35c; 5 lbs., \$1.25; 25 lbs., \$6.25.

MAGNETIC SPRAY Wettable Sulphur. Can be used as a combination spray with other insecticides. Ceiling prices, 4-lb. bag, 60c; 24 lbs., \$2.75.

POMO GREEN. Without nicotine. The new green fungicide for roses and other flowers and ornamentals; will control black spot, mildew and chewing insects. Ceiling prices, lb., 50c; 5 lbs., \$1.75; 25 lbs., \$8.00.

SEMESAN. The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings. Ceiling prices, ¼ oz., 10c; 2 oz., 40c; 12 oz., \$1.88; 4 lbs., \$9.10; 25 lbs., \$52.50; 100 lbs., \$198.00. Write for leaflets, stating for what purpose desired.

Special Semesan. Control for Brown Patch, Dollar Spot, etc. in Bent Lawns. Ceiling prices, 8 oz., \$1.00; 6 lbs., \$9.35; 25 lbs., \$36.00; 100 lbs., \$135.00.

Semesan Jr. For Sweet Corn. Ceiling prices, 1½ oz. package, 15c; 12 oz., 56c; 6¼ lb., \$3.75; 25 lb. pail, \$12.50; 100 lbs., \$45.00.

Semesan Bel. For Potatoes. Ceiling prices, 2 oz. tin, 30c; 1 lb., \$1.65; 4 lbs., \$5.70; 25 lbs., \$33.25; 100 lbs., \$125.00.

New Improved Ceresan. Ceiling prices, 4 oz. tin, 30c; 1 lb., 80c; 4 lbs., \$2.70; 25 lbs., \$15.00; 100 lbs., \$55.00.

2% Ceresan. Ceiling prices, 1 lb., 75c; 4¼ lbs., \$3.14; 25 lbs., \$14.50; 100 lbs., \$52.00.

Write for leaflet on Semesan and Ceresan.

FUNGICIDES—Continued.

SUPERGON. A new seed and bulb disinfectant which kills the soil fungi and bacteria which cause damping off, and injure gladiolus and tulip bulbs. Full strength with 98% active ingredients, ceiling prices, 2 oz., 35c, postpaid 45c; 1 lb., \$2.25, postpaid \$2.35; 5 lbs., \$9.95; 10 lbs., \$18.50; 50 lbs., \$87.50; 100 lbs., \$153.00.

Spergon Wettable Powder. Contains 49% active ingredients. Ceiling prices, 10 lbs., \$9.25; 50 lbs., \$43.75; 100 lbs., \$76.50.

SULFOCID. A concentrated sulphur fungicide for fruits, vegetables and flowers. Ceiling prices, qt., \$1.00; gal., \$2.50.

VOLOCK. The Scientific Insecticide for nursery, greenhouse and garden. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. Ceiling prices, ¼ pt., 35c; pint, 50c; 1 gal., \$2.50; 5 gals., \$11.00. Price of 5 gal. size includes \$2.00 charge for container. Container is returnable for credit if returned in good condition.

COMBINATIONS

ACME RED RIVER POTATO MIX (Special Formula for Potatoes). A new patented copper fungicide with quick killing arsenic. Drives off Flea Beetle and Leafhopper and prevents Blight from gaining a foothold. Stimulates foliage, making more and better potatoes. Complete control in one operation. Can be used as a dust or spray. Ceiling prices, 1 lb. bag, 35c; 4 lb. bag, 85c; carton, 48 lbs., \$9.00.

ACME SCIENTIFIC ROSE SPRAY. Consists of three elements A, B, C. for complete protection from sucking and chewing insects, black spot and other fungus diseases. The number indicates number of gallons of spray each set will make. Ceiling prices, No. 3 set, 95c; No. 6 set, \$1.50; No. 24 set, \$4.00; No. 48 set, \$6.00; No. 96 set, \$9.75.

KRYOCIDE D50 with sulphur. A combination insecticide and fungicide for chewing insects. Contains natural cryolite. Ceiling price, 1 lb., 50c; 3 lbs., 85c.

PARA-SCALECIDE. A prepared combination of Scalecide and paradichlorobenzene. A liquid treatment for peach borer control. Safe to use on peach trees of all ages. Simple, effective and inexpensive to use. Can be used to control all borers. One gallon makes eight. Ceiling prices, quart, 85c; gallon, \$2.25; 5 gallons, \$7.25.

POMO GREEN. A green colored fungicide, with nicotine. Ceiling prices, lb., 75c; 5 lbs., \$3.00.

PYROX. Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage. Ceiling prices, 25 lbs., \$5.75; 50 lbs., \$8.35.

SPORGO. A copper mildew spray for control of fungus diseases of plants. Ceiling price, 8 oz., 50c; 20 oz., \$1.00.

RED ARROW DUST. Contains Rotenone and Sulphur. Ceiling prices, 2 lb. bag, 50c; 24 lbs., \$5.50.

TRIO-GEN. Combined spray treatment fungicide-insecticide and plant stimulant. A complete protection against plant insects and diseases. Ceiling prices, A, small kit, makes 16 qts., \$1.50; B, medium kit, makes 64 qts., \$4.00; C, large kit, makes 32 gals., \$6.00; D, estate kit, makes 128 gals., \$20.00.

WILSON'S O. K. PLANT SPRAY. A powerful yet harmless and efficient insecticide for aphids, red spider, mildew, scale, etc. Ceiling price, ¼ pt., 40c; qt. \$1.00; gal., \$3.00; 5 gals., \$12.00.

MISCELLANEOUS

ACME COPPER SHIELD PRUNING PAINT. Prepared liquid paint containing copper, for treating wounds to prevent hard rot fungus and other fungi. Ceiling prices, pt., 45c; qt., 75c; gal., \$2.35.

CARBON DISULPHIDE. For ants and cut worms. (By express only.) Ceiling price, 1 lb., 60c.

CYANOGEN CALCIUM CYANIDE "G". Greenhouse fumigant. For aphids, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. Ceiling prices, 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$30.00. (By express only.)

CYANOGEN A. DUST. Kills ants, moles, mice, rats, groundhogs and prairie dogs. (By express only.) Ceiling prices, 4-oz. tin, 30c; 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$30.00.

DOG-SHOOT. Keeps dogs and cats away from evergreens, shrubs, posts, walls or any place where they are not wanted. Leaves an odor scarcely noticeable by humans but very offensive to animals. Ceiling prices, qt., 85c; gal., \$1.95.

DOGZOFF. Breaks dogs of bad habits. Spray underneath your evergreens, and guard them completely against the depredation of dogs. Non-poisonous. Ceiling price, per bottle, 60c; by mail, 70c.

TREE TANGLEFOOT. Perfect safeguard for trees. Ceiling prices, 6 oz., 45c; lb., 80b; 5 lbs., \$3.75; 10 lbs., \$7.00; 25 lbs., \$15.00.

NAPHTHALENE FLAKES. Ceiling prices, 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.75; 25 lbs., \$6.25.

PINE TAR. For tree surgery. Stops bleeding of the sap. Ceiling prices, pint, 40c; qt., 75c; gal., \$1.75.

STANLEY'S CROW REPELLENT. Protects seed corn from damage by crows, moles, squirrels, etc. Ceiling prices, ½ pt., 60c; pint, \$1.00; qt., \$1.75.

SULPHATE OF IRON. A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. Particulars on application. Ceiling prices, 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.95.

Sprayers for Insecticides

DOBBIN'S BIGHEAD SPRAYER

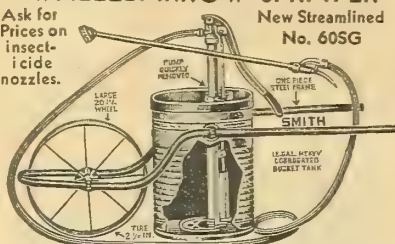


5 1/2" diameter opening. Easy to fill, drain and clean. Positive quick sealing device. Equipped with patented self-lubricating pressure seal valve plunger. More air per stroke. Brass shut-off with trigger quick spray lock. Universal nozzle, sprays at any angle. Will handle all spray solutions. 4 gallon capacity. No. 44G Galvanized tank. Each, \$8.00.

WHEELBARROW SPRAYER

Ask for Prices on insecticide nozzles.

New Streamlined No. 60SG



Goes anywhere like a wheelbarrow, through narrow openings. For spray solutions, disinfectants or white-wash. With extra long handle and large air chamber, fittings, steel extension, develops 250 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 18 gallons. Fully equipped with hose, nozzle, etc. \$27.50. Shipping weight, 80 lbs.

No. 60 S.P.G. Same as above, but with pressure tank and gauge and iron wheel. Price, \$41.50.



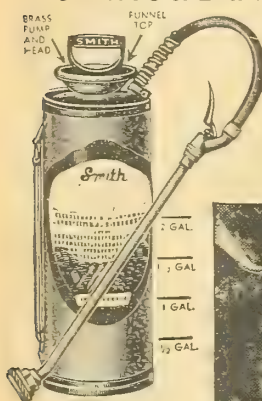
New E-Z 5-Gal. Knapsack Sprayer

Diaphragm type pump maintains high pressure until last drop of liquid is discharged. Very easy to operate. Tank holds 5 gallons. Equipped with 3 ft. hose, 2 ft. brass extension rod, automatic shut-off and adjustable nozzle. For all field crops, shrubs, etc. Galv. tank, \$21.45.



HAND SPRAYER, 60c Full qt. size.

SMITH'S SPECIAL SPRAYER



Adurable, low-priced sprayer, has a funnel top, made of heavy steel or solid brass tank as illustrated. 3 1/2 gallon capacity.

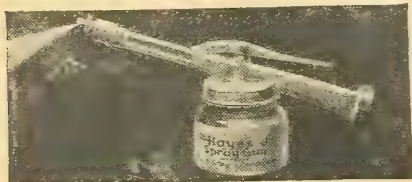
Price, galvanized, \$7.50.



Hayes-Ette Garden Spray

This little sprayer does the work of the larger type sprayer.

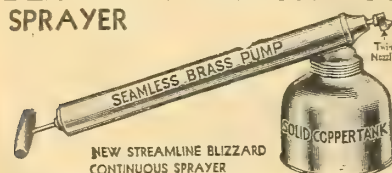
Weight a little over a pound filled. Simply attach to your garden hose. Operates on 20 to 150 lb. water pressure. Capacity 1 1/2 gal. of mixed spray material. Can also be used for spraying shrubs and vines. \$2.95.



Hayes Jr. Spray Gun

All Purpose Sprayer. Makes 3 gals. of mixed spray material at a time. Sprays liquid and most wettable powders, up, down and sideways. Attach to your garden hose. Gives you the efficient performance of heavy, expensive equipment. Operates on water pressure from 30 to 75 lbs. No moving parts to wear out or break. Each, \$5.95

BLIZZARD COPPER CONTINUOUS SPRAYER



Very durable, seamless brass pump, solid copper quart tank with adjustable nozzle for straight and underleaf spraying. Each, \$3.25.

These Sprayers Attach to Hose

Garden Hose Sprayer



WITH CRYSTAL CLEAR CARTRIDGE CHAMBER

INSECTICIDE CARTRIDGES

A special mixing and spraying nozzle which attaches to your garden hose. Insert insecticide cartridge and spray—as easy as watering your lawn. Brass finish, each, \$3.50. Chrome finish, each, \$4.00.

36 inch extension, straight or angle, chrome finish, \$1.75.

We can supply a complete line of cartridges. Rotonone, Nicotine, Pyrethrum, D. D. T., Sulphur, Bordo or Arsenate of Lead. Price, each, 35c; three for \$1.00; doz., \$3.85.



ARNOLD VICTORY SPRAYER

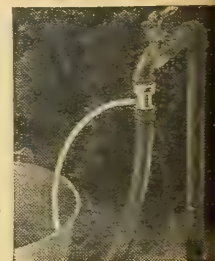
Cartridge easily inserted into this sprayer. The passage of water through this sprayer dissolves cartridge and applies insecticides and fungicides effectively. Price, each, \$1.00, postpaid, \$1.10.

CARTRIDGES for the above sprayer can also be used on the Arnold Garden Hose Sprayer. We can supply Nicotine, Sulphur, Bordeaux, Arsenate of Lead, Kryocide and Vitamin B1 cartridges, price, each, 35c; 3 for \$1.00; dozen, \$3.85.

FERTILIZER APPLICATOR

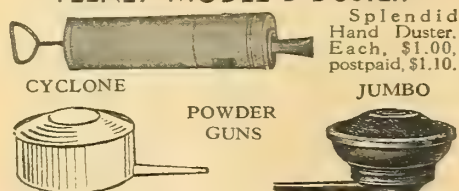
(Fertilizes as you Sprinkle)

Make fertilizing as easy as sprinkling your lawn. Fertilize through your hose. Mixes the right amount of ammonium sulphate, nitrate of soda, potash or any soluble fertilizer with the water with which you sprinkle your lawn. One end screws into the faucet, the other end takes the hose, the small tube drops into the bucket of fertilizer. Made of die cast metal. Price, \$1.95; postpaid, \$2.10.



Dusters for Insecticides

FEENEY MODEL B DUSTER



Splendid Hand Duster. Each, \$1.00, postpaid, \$1.10.

CYCLONE

POWDER GUNS

JUMBO

Cyclone, each, 30c. Jumbo, each, 50c. Postage extra, each, 5c

Dobbin's Improved Hand Duster

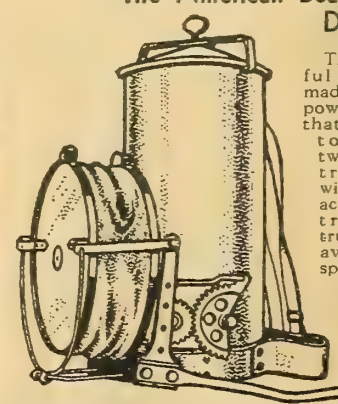


Recommended for applying Pyrethrum, Rotonone, Derris Root. A uniform discharge down to the last particle of dust. For all garden and field crops. Self-lubricating pressure seal valve plunger. Capacity 1 lb., equipped with two-way dust cap.

No. 132 Duster..... Each, \$1.50, postpaid, \$1.75

The American Beauty

Dust Sprayer



The most powerful hand duster made. Has a large, powerful bellows that blows dust to the top of twenty-five foot trees. A man will average eight acres per day on trees. Dusts truck crops at an average walking speed, and dusts under side of leaves. Has a spiral agitator that crushes and grinds the dust and feeds directly into the moving

air blast; does not choke or clog. Has an efficient regulator for discharge control. It is considered the standard of efficiency by all authorities. An effective implement for applying D. D. T. and other new insecticides to fruit and ornamental trees as well as all vegetable and flower plantations. \$25.80.

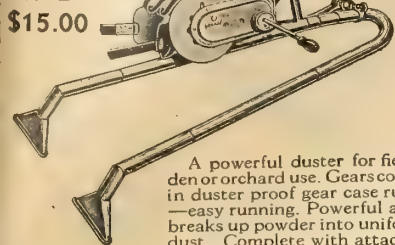
Dusters, Guards, Traps, Repellents

SUPERBUILT UNIVERSAL DUSTERS

No. 200

\$15.00

No. 200, capacity 5 to 10 pounds with return bends for dusting in rear of operator. Each, \$15.00.



A powerful duster for field, garden or orchard use. Gears contained in duster proof gear case run in oil—easy running. Powerful air blast breaks up powder into uniform size dust. Complete with attachments for dusting one or two rows.

CHALLENGE DUST GUN No. C-3



For Dusting Rotenone, Pyrethrum Dust, etc. Adjustable to all conditions. Made so the discharge nozzle may be swung from front to rear of operator and can be raised or lowered for high or low plants. Operator can always work in upright comfortable position. Each, \$19.80.

ACME TOMATO DUST PUMP GUN

Contains basic copper arsenate. The latest improvement in the insecticide field containing a safe arsenical for controlling the tomato worm and the tomato fruit worm as well as the early and late blight and other fungus diseases which infest the tomato plant. Will not cause worm wilt. A full pound in a pump gun duster package ready to use, each, 59c, postpaid, 69c.

Rotenone Garden Guard Pump Gun

The old proven Rotenone insecticide which controls both sucking and eating insects. A full pound in a pump gun duster ready to use, each, 59c, postpaid, 69c.



Burners

Asbestos Torch

Practical for burning caterpillars, worms and other tree pests. It is a black lined ball, filled with asbestos fibre, so constructed that it can easily be attached to any pole. Dip the torch in kerosene and light. Each, 50c; 3 for \$1.35.

Flame Shooter Gun

General utility torch indispensable on the farm, garden, barn, etc., handy for cleaning out irrigation ditches, removing weed and destroying insect pests. 4 gal. heavy all-welded (not riveted or soldered) corrugated fuel and air tank tested to 100 lbs.; burns kerosene, range oil, stove or light furnace oil. Price complete, \$18.95 (weight, 17 lbs.).



Rodent Rockets



...THE EASY WAY

Novel, effective destroyers; light like a roman candle and blitz out whole families of gophers, moles, rats, field mice, ants, etc., at one "shot." Safe sure, efficient aids to hunters in "un-treing" holed-up woodchucks, raccoons, etc. 3 for 25c; dozen, 95c.

HAVAHART ANIMAL TRAPS



No. 1—5x5x18 in. For weasels, rats and chipmunks, each, \$2.50.

No. 2—7x7x24 in. For muskrats, minks, squirrels and rabbits, each, \$3.50.

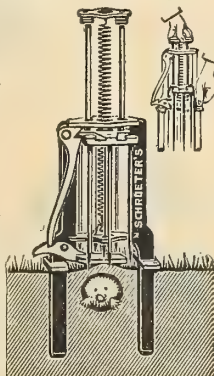
MOLE TRAP

Improved with patented setting attachment. One of the best mole and gopher traps. Each, \$2.00.

CUT WORM PROTECTOR

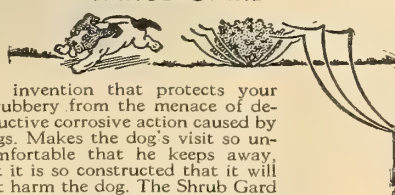
Made of waterproof heavy fibre resin material. Does not disintegrate in the ground. 3 inches in height and 3 inches in diameter. Easy to place around a plant with a simple lock.

RA-50, 50 to a package, per package, 25c; postpaid, 35c.



Mole Trap

SHRUB-GARD



An invention that protects your shrubbery from the menace of destructive corrosive action caused by dogs. Makes the dog's visit so uncomfortable that he keeps away, yet it is so constructed that it will not harm the dog. The Shrub Gard is a unit of steel spring wires that are flexible and will not tear clothing of passersby. Each Shrub Gard has three prongs and covers approximately two and one half lineal feet. Harmless to dogs or humans. Packed one dozen to a carton. Weight 2½ lbs. Price per carton of dozen, \$2.25.

Saxolin Duplex Crinkled Waterproof Tree Wrap



For covering the trunks of transplanted and newly set fruit and shade trees. Helps your stock to get off to a healthy start. Rolls, 4 inches wide, about 155 ft. to a roll. Weight, about 2½ lbs. Each, 75c; postpaid, 85c; doz., \$7.20.

Rabbit Repellent

With safety to all including the rabbits. This 200 mesh fine snuff-like product is impregnated with rain resistant repelling "naturals" to make it last. 5 lb. package will treat 100 to 150 individual plants or 200 to 250 running feet of plant row. Price 1 lb. pkg. 45c, 5 lb. bag \$1.75.



Chaperone Powder Dog Repellent

A new household dog repellent for keeping dogs off rugs and furniture. Odorless to humans and does not stain, but is very repulsive to dogs. 1 oz. tin, 50c; large size, \$1.00.

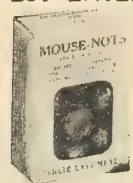
Chaperone Liquid Dog Repellent

For outdoor and garden use. Keeps dogs away longer from trees, shrubs and plants than most liquid repellents. 4 oz. bottle, 50c; 12 oz. can, \$1.00.

PUSSY SCAT

Powder repellent for household use keeps cats away from furniture, curtains, drapes, clothing, etc. Trial size can, 50c; large size can, \$1.00, postpaid, \$1.10.

PEST EXTERMINATORS



Ant-X-Trap. Deaths to ants in the house or garden. This safety type container carries a multi bait attractive to both the sweet and grease eating type ants. This bait kills the ants in the nest. Price, 25c; six for \$1.25.

Ant-X Jelly Bait. Kills quickly. This jelly containing sweet and grease eating ants. It will also kill ants in the nest. 1 oz., 35c; 4-oz. tube, \$1.00; Industrial size, 5-lb. pail, \$15.00.

Dog-Check. The ideal repellent as a means of checking doggie habits. Safe and harmless to use. New formula will permit spraying on new growth. Unaffected by rain. One spraying lasts from two to three weeks. 3-oz. size, complete with sprayer, 60c; 8-oz. size, with sprayer, \$1.00; 32-oz. size, \$3.00; gallon, \$11.50.

Rat-Nots. Safe way to exterminate rats. Prepared Bait, containing Squill. Can be used without fear of harming humans, dogs, live stock, etc. Trial size package of 9 Nots, 25c; Estate size, 50 Nots, \$1.00.



Mouse-Nots. Impregnated seed; prepacked seed bait kills mice. Trial size package, 9 Nots, 25c; Estate size, 50 Nots, \$1.00.

Mole Nots. Lifesavers for lawns, bulb and seed beds. Trial size, 8 Nots, 35c; Estate size, 50 Nots, \$1.00; Jumbo size, 125 Nots, \$2.00; Gardener size, 400 Nots \$5.00; Giant size, 1,000 Nots \$10.00.

Roach-Nots. Semi-toxic insecticide in prepared bait form. Very effective in controlling Roaches. Trial size, 9 Nots, 25c; Estate size, 50 Nots \$1.00.

KAY-TITE

Masonry waterproof paint. Guaranteed to permanently waterproof cement cellars, cinder and concrete walls and floors, brick, tile, stucco and every type of masonry. Applied as easily as paint. Will waterproof from the inside, outside, below or above grade. Price per 10 lb. can \$2.90



Protectors



HOTKAPS

These plant protectors mean larger, earlier, premium crops.

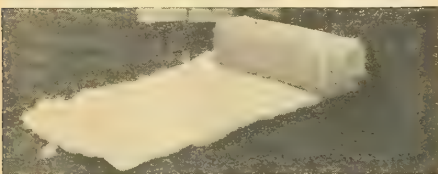
Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around them, Hotkaps become individual miniature hothouses.

Hotkap Setter. Will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself, with a handle at the top. The cost of the Hotkap setter is nominal and it can be used a lifetime.

Prices: 1,000 lots, \$11.00; 5,000 lots, \$10.75 per M; 10,000 lots, \$10.50 per M; 250 Trial Package including Fibreboard Setter with Tamper, \$3.50; 100 Home Package, including Fibreboard Setter with Tamper, \$1.95. Wt.: 1,000 package HOTKAPS, 28 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; Fibreboard Hotkap Setter, 3 lbs.; Fibreboard Setter alone, 25c.

Special Victory Garden Packages Hotkaps

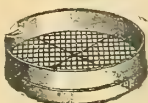
Including setter. Package of 25 Hotkaps and cardboard setter, 50c, postpaid 65c; package of 100, including fibreboard setter, \$1.95, postpaid, \$2.25.



Glass Wool Mulch. Protection and perfect mulch for your prized Plants and Shrubs; has been proved superior to all other mulches for the winter protection of plants. A snowy white blanket composed of extremely fine glass fibres, put up in bats; 24" x 96" in size and approximately 1½ inches thick at 1½ lbs. per cubic foot density. Price, per bat, 95c; three for \$2.65; carton of 12, \$8.95.

EVER-READY SMUDGE STOVES

Will drive away mosquitoes, flies, and insects. Has a pleasant odor, lasts from 14 to 24 hours. Each, 35c; doz., \$3.60.



Sieves. For sifting soil. 18 inches in diameter, all size mesh from ½ to ¼ inch. Each, \$2.00.

USE EROSIONET

For New Lawns, Weak Lawns, and Stubborn Terraces



Made of strong open mesh fabric, will hold your seed and sod firmly in place, prevents washouts, does not present an unsightly appearance, grass and clover soon rendering it almost invisible. Can be removed when grass becomes 2½ in. high. Width, 45 inches. Price per yd., 14c; 25 yd. lots, 13c per yd.; 100 yd. lots, 12½c per yd.; rolls of 250 yds., 12c per yd.

Bird Houses



WREN HOUSE No. 16



MARTIN HOUSE No. X315

Twenty compartment house, two stories high, unpainted, \$15.00. Painted two coats in white and green, \$18.00.

Twenty-eight compartment house, three stories high, unpainted, \$18.00. Painted two coats white and green, \$21.00. Crating charge \$1.00 extra.



ROBIN ROOST No. 4

Robins will not occupy a nesting box, but insist on a covered sheltered shelf which allows them to see on at least three sides. Stained brown—each, \$1.50; 3 for \$4.25.



No. FS 21. Garden Craft Feeding Station

This is one of the most successful and appreciated bird feeders. It is equipped with a spindle for mounting, and the double weather vane keeps the sheltered end headed into the wind, thus keeping the food dry in rainy or snowy weather.

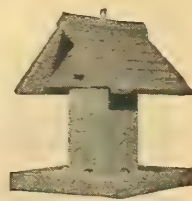
Size 24x12x12. Shipping weight, 16 lbs.
Price stained brown \$6.00
Price stained with glass back 8.25
Erection Post bored for mounting rod 1.50
Shipped by express, charges collect.



No. FS. 10. Garden Craft Bird Feeder

This cleverly constructed feeder will provide endless pleasure and satisfaction for bird lovers. You will be more than repaid for your generosity in providing food for your feathered friends during the early spring, late fall and winter, by their appreciation. Size 8x3x10 in. Shipping weight, 3 lbs. Price, \$1.75; postpaid, \$1.85.

Erection pole with arm \$1.25; postpaid, \$1.35.

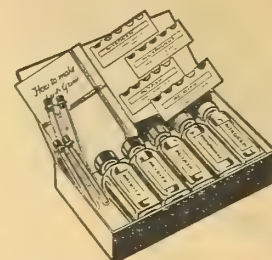


SPRINGFIELD LAWN SWEEPER

28 inch with semi pneumatic tire. Each, \$46.50, F. O. B. Chicago.

Soil Testers

THE SUDBURY HOME GARDENER'S SOIL TEST KIT



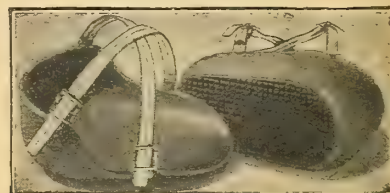
This simple, practical, easy-to-use kit is your best insurance of gardening success. Made by the maker of professional field test kits used by nurserymen, growers and greenkeepers throughout the country. Tests for nitrogen, phosphorus, potash and acidity. It will make at least three separate tests for each element. No technical skill required. Results of tests are apparent immediately. The Sudbury Home Gardener's Soil Test Kit, complete with instructions and data on plant needs, \$2.00, postpaid, \$2.10.

Testing Fluid for Refill—Specify whether for nitrogen, phosphorus, potash, or acidity. When ordering the above, it requires No. 2 and No. 3 to make Nitrogen Tests, No. 4 and No. 5 for Phosphorus Tests and No. 6 and No. 7 to make Potash Tests, therefore when ordering, please order two numbers. 2 oz., 75c. 6 oz., \$1.50, both postpaid.

NEW CLUB MODEL KIT (Suitable Gift Suggestion)

An inexpensive kit for garden clubs, 4-H clubs, etc. A very good value for amateurs. Cased in attractive imitation leather, makes a wonderful gift. Each, \$4.75.

Miscellaneous KNEE PADS



All rubber cushion pads constructed of solid and sponge rubber with adjustable straps; fit any knee, will not slip down. Price, \$1.95; postpaid, \$2.10.

Protect Your Hands With Camcox Cremeglove

Protects hands from oils, paints, grease, grime, and dirt—a protection for your hands in the garden, housework, etc., gives you the freedom of bare hands with the protection gloves afford. Price, 8 oz. jar, 35c; postpaid, 45c; 16 oz. jar, 60c; postpaid, 75c.

BASKET-MAKING MATERIALS

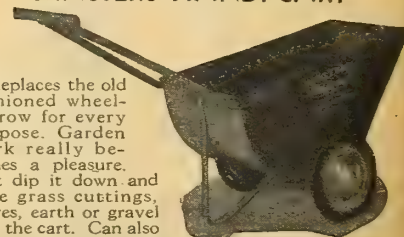
Add postage to your order if to go by mail.

The Raffia which we import is the finest grade to be obtained. Besides the natural shade, we have it in 12 different colors: dark red, Irish-green, olive-green, pea-green, navy-blue, seal-brown, orange, black, old gold, pink, purple, and bright red.

Raffia Fibre for Baskets, Etc. 5-lb. Lots

Natural, Best Grade, about 2 oz. . \$0.20 \$0.95 \$0.90
Colored, about 1 oz.20 1.30 1.25

MASTERS HANDI-CART



Replaces the old fashioned wheelbarrow for every purpose. Garden work really becomes a pleasure. Just dip it down and rake grass cuttings, leaves, earth or gravel into the cart. Can also mix cement right in the cart. No. 1, size of wheels 10 in. diameter. Extreme overall width of cart 20 in. Size of hopper body 26½ x 16 x 12½ in. Price each, \$6.75.

No. 2, size of wheels 10 in. diameter. Extreme overall width of Cart 25 in. Size of hopper body 27½ x 21 x 13½ in. Price each, \$8.75.

Labels, Plant Supports

IT WEARS A CAP A New Weatherproof METAL PLANT MARKER

USE A PENCIL - No fade-out of your markings.
Beauty, Strength, Permanence. Made of metal;
green baked enamel finish.
Slip-over fool-proof metal
cap with non-shatterable
transparent window.
Stake 7" long; ample white
marking space $2\frac{1}{2}$ " x $1\frac{1}{2}$ ".

12 markers.....	\$1.00
25 markers.....	2.00
50 markers.....	3.75
100 markers.....	7.00

Rose Los Angeles

No. 31 SIMPLEX Green Weather-Proof
Plant Labels. Price includes copper wires for at-
taching and steel stylus for marking. No. 31, size,
3x $\frac{1}{2}$ inch, per doz., 40c; per 100, \$2.50.

LABELS—Wooden. For pots, painted.

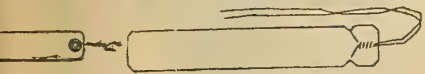
4-inch.....	100 \$0.50	1000 \$2.50	12-inch.....	100 \$1.75	1000 \$13.95
6-inch.....	65 .65	3.95			

ee, Labels Wired. 3 $\frac{1}{2}$ in. 100, 65c; 1000, \$3.80.
ABELS. Zinc, Tree. Wired 3 $\frac{1}{2}$ inches long
 $\frac{3}{4}$ inch wide. Price, per doz., 30c; 100, \$1.95.

Perma Label—New Improved Type

Made of Sorex. Since metal labels cannot be had
y more, this is a very good substitute. This label
ould last at least a few seasons. It can be tied
ound a branch or shrub and tied with one loop.
inary pencil marking will not wash off. Price, per
0, 60c; 500 for \$2.50; 1000 for \$4.50.

Lead Labels
Same as illustrated above. These labels do not have
le. They can be tied around twig or limb with one
op. Made of soft lead, should last permanently.
ice, per 100, \$1.25; 500 for \$5.50.



opper. Indestructible. Tree and shrubby, copper
wired. Small, 30c doz.; 100, \$1.95; large, 40c doz.;
100 for \$2.65.

Wayward Vine Guide and Support
For Training and Supporting Ivy, Small Fruiting
rees and all other Vines, etc. on Brick, Stucco,
one and Cement Walls without Defacing. No
ails—No Holes. Price, box of 25, including cement,
00; postpaid, \$1.10.

STAKES

AKES—HEAVY TONKIN. Natural Color.
Heavy weight bamboo, entire stake same weight;
not taper. Ideal for roses, dahlias, young trees, etc.
ill last a lifetime. F.O.B. N. Y. F.O.B. Chicago.

Length	Diameter	Doz.	100	Doz.	100
4 ft.....	$\frac{1}{2}$ to $\frac{3}{4}$ inch	1.65	9.25	1.85	9.50
5 ft.....	$\frac{3}{4}$ to 1 inch	2.00	10.25	2.25	11.00
6 ft.....	$\frac{3}{4}$ to 1 inch	2.25	12.00	2.45	12.50
8 ft.....	$\frac{3}{4}$ to 1 inch	2.50	13.50	2.75	14.50

STAKES—WOODEN. Painted Green.

Heavy Grade (for Dahlias). Per doz. Per 100

3 ft.....	1.60	10.50
4 ft.....	1.95	13.50
5 ft.....	2.50	16.50
6 ft.....	2.95	20.50

Light Grade (for smaller plants).

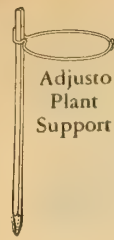
Per doz.	100	Per doz.	100	
1 $\frac{1}{2}$ ft.....	\$0.40	\$2.20	3 $\frac{1}{2}$ ft.....	\$1.25
2 ft.....	.60	3.65	4 ft.....	1.60
2 $\frac{1}{2}$ ft.....	.95	4.95	5 ft.....	2.25
3 ft.....	1.10	6.95		

STAKES—BAMBOO. Painted Green.

100	1000	100	1000	
1 $\frac{1}{2}$ ft.....	\$1.25	\$5.00	3 ft.....	\$1.75
2 ft.....	1.40	7.00	3 $\frac{1}{2}$ ft.....	2.00
2 $\frac{1}{2}$ ft.....	1.60	8.00	4 ft.....	2.25
			5 ft.....	2.95

Bamboo not painted. 6 ft.....

100	1000	No. 8 Wire Doz.	100	
No. 9 Wire Doz.	100	No. 8 Wire Doz.	100	
1 $\frac{1}{2}$ ft.....	\$0.40	\$1.40	3 $\frac{1}{2}$ ft.....	\$0.75
2 ft.....	.45	1.75	6 ft.....	1.25
2 $\frac{1}{2}$ ft.....	.50	2.25		



Adjusto Plant Support

Has a unique self-locking adjust-
able feature causing the hoop to
positively stay where put, yet it can
be instantly adjusted to any height
desired. The heavy green painted
wood stake $\frac{1}{2}$ inch square will stand
firmly in the ground. The hoop is of
8 gauge galvanized wire, 13 inches in
diameter, and may be opened up to
put around large plants. 3 ft., doz.,
\$3.00; 4 ft., doz., \$3.50; 5 ft., doz.,
\$3.85; extra wire hoops, doz., \$1.65.

TRAIN-ETTS
New weatherized trellis netting. Ideal support for
Sweet Peas, Morning Glories or any of the light
climbing vines. Made in three sizes. No. 1, 60x72
in., 45c, each, postpaid, 50c. No. 2, 60x96 in., 55c,
each, postpaid, 60c. No. 3, 60x180 in., 75c, each,
postpaid, 85c.

Six Ft.—3 Tie Dahlia Stake

For Dahlias, Gladiolas, Young Fruit Trees, Vines,
Pole Beans, Giant Peas, and a score of other needs.
Made of rugged hardwood with 3 ($\frac{1}{4}$ ") holes to regu-
late respective heights of tall growing flowers, vege-
tables, plants and vines. Price, per doz., \$3.60; 3 doz.
for \$10.50.



TWISTEMS—Perfect Plant Ties

7 inches, put up 250 to a bundle. A
very handy tie for tomatoes and other
vegetable plants. Just a single twist of
the wrist and the plant is tied. Price, 7 in. per bundle
of 250, 50c.



PRUNING SHEAR—9 In.

With ratchet, high quality, each, \$1.75; postpaid,
\$1.85.



PORTER TWINCUT PROFESSIONAL ONE-HAND PRUNER

This pruner is drop forged from selected tool steel.
The patented pivot bolt cannot tighten or loosen in
use, yet can be easily adjusted. Equipped with new
concealed locking device. Instantly locks or unlocks
the closed tool with the touch of the thumb. 9 inches,
full polish, price, each, \$3.85; postpaid, \$4.00.



California Pole Trimmer curved draw cut saw
with crook for removing branches. Ceiling price,
each, \$3.00; postpaid, \$3.25.



STANDARD TREE PRUNERS

A popular tree pruner operated by lever connected
to the blade by a strong wire. Practical service cable
made of high quality material throughout, easily cuts
1 inch branches.

6 ft. each.....	\$3.25	10 ft. each.....	\$3.75
8 ft. each.....	\$3.50	12 ft. each.....	\$3.95

WIRE PLANT PROPS

Help YOUR FLOWERS HOLD UP THEIR HEADS
with
PATENTED METAL
PLANT PROPS

All heights shown are overall. Deduct 4" from 16 size and 6" from all other sizes for net height.

BAKED GREEN ENAMEL FINISH

66" 42" 30" 16"

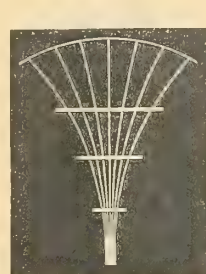
\$1.20; 66 in. overall, doz., \$2.00; 78 in., doz., \$3.00.

PROTECTION FENCE RODS

Stiff strong green enameled rod, supports one or two rows of wire, heavy twine or clothes line. Very handy for circling trees and ornamentals, to keep dogs at safe distance.

Doz., \$1.20.

33" overall 33" overall



Ornamental Lawn Fans

Most popular and inexpensive. Are most substantially built in natural wood finish.

No. 106—Height, 72 in. Spread, 42 in. Price, each, \$2.00.
No. 108—Height, 96 in. Spread, 60 in. Price, each, \$2.65.

Pruning Tools

TELEPHONE TREE PRUNER HEAD ONLY

A strong rugged pruner with operating mechanism entirely in the pruner head. Can be fitted to any pole. Price, \$2.00.



THE PORTER POINTCUT PRUNER

Designed for the fruit grower. Light in weight, 2 $\frac{1}{2}$ lbs., 20 inches long. Easy to use in close places. \$6.00.
No. 2—27 inches long, will cut branches up to 1 $\frac{1}{2}$ inches in green wood. Each, \$7.25.
No. 3—34 inches long for extra heavy pruning. Each, \$8.50.



BUCKEYE PRUNER

A strong rugged pruner, handles reinforced by strap iron. 20 inch, each, \$2.50; postpaid, \$2.75; 26 inch, \$3.00; postpaid, \$3.25.



Snap Cut Pruner. No. 906B. Heavy duty, full polished, \$2.35; postpaid, \$2.45.

For Lawns and Irrigation

WATER NON-KINKABLE HOSE



This is the finest grade of hose obtainable at this time. This is a two braid hose and is suitable for garden and greenhouse use. $\frac{3}{4}$ inch smooth cover. 50 ft. lengths. Coupled, \$14.95.



A Good Grade Garden Hose. $\frac{5}{8}$ inch, fitted with $\frac{3}{4}$ inch couplings. 50 foot length. \$5.95.



MIST-IC Fan-shaped Flat Spray

Made of plastic—light in weight and easy to handle, this slotted nozzle throws a perfect spray, and even fine fan-shaped flat spray that is just what gardeners want and need. Each, 50c; postpaid, 60c.

METAL CLINCHER HOSE MENDER

Price. each, 15c; doz., \$1.30.



LINCOLN PARK OR BUTTERFLY SPRINKLER

Cheapest and best sprinkler made. Each, 65c.

Mounted on stand: 2-foot, \$1.75; 4-foot, \$2.00; 6-foot, \$2.35.

JUSTRITE BRASS HOSE NOZZLE

For lawn and garden, can be changed from fine spray to stream. $\frac{3}{4}$ inch, each, 75c; by mail 80c.



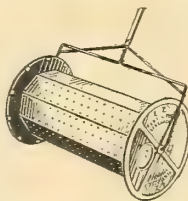
ROOT IRRIGATORS

For trees, shrubs and flowers. Irrigates directly at the roots, dissolving the plant food in the soil and making it readily absorbable. Price each, \$2.50.



E. Z. FERTILIZER SPREADER

Fertilize your lawn, sow your seed the new E. Z. way. Simply fill container, guide like a vacuum



cleaner and your lawn is covered quickly. Comes knocked down. Each, \$1.25, postpaid, \$1.40.



FERTILIZER SPREADERS

Will spread any kind of commercial fertilizer, grass seed or top dressing. Has new disc wheels, foot rest and selective feed control. 16 inch, hopper capacity about 20 lbs., price each, \$4.75; 20 inch, hopper capacity about 40 lbs., each, \$8.45; 30 inch, hopper capacity about 80 lbs., each, \$14.95; Super Heavy 36 inch, hopper capacity over 100 lbs., each, \$27.50.



SOIL SOAKER



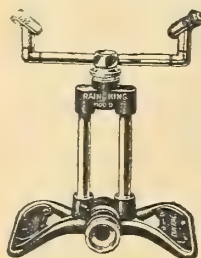
Soil Soaker for deep soaking, the water method approved by agricultural colleges and nurseries, now available for home use. Equipped with regular hose connection for attaching to hose or pipe. Price, No. 0, 12 ft., \$1.40; No. 1, 18 ft., \$1.90; No. 2, 30 ft., \$2.90; No. 3, 50 ft., \$4.75.

HOSE COUPLINGS



$\frac{3}{4}$ in. stamped brass. The heavily plated steel fingers grip the hose tightly and make a leak-proof connection. The couplings have a large octagon shaped swivel. They are easily attached. Each 40c; doz., \$4.20.

MODEL D RAIN KING



The latest Rain King, and world's greatest sprinkler value. Works on all water pressures or any spray. Sets quickly to turn fast or slow or for stationary sprinkling. Each, \$3.00.

MODEL H RAIN KING

Similar in design to D Model, larger all brass parts, chrome plated, Each, \$4.50.

HOTHOUSE SPRINKLER



All brass, distributes water evenly; $\frac{3}{4}$ inch connection; 3 inch face, each, 65c; 4 inch face, each, 80c.

METAL LAWN SIGNS

These attractive signs have raised letters, baked enamel finish for long attractive service. Have center holes for attaching to stakes. Size, $3\frac{3}{4}$ x 12 inches. Colors, green on white and black on white. Sign wordings—Please-Seeded—Keep off Grass. Signs with stakes, each, 35c; six for \$1.80.

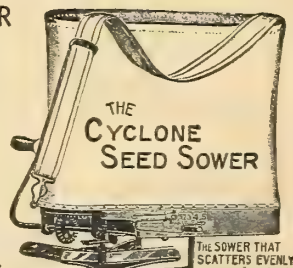
**KEEP OFF
THE GRASS**



Seeders and Planting Aids

SEED SOWER

Cyclone. (New Improved Model.) An accurate portable seed sower, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, \$3.25.

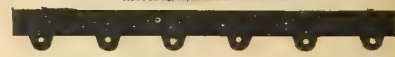


NEW HANDY SEEDER



This little handy seeder will sow seeds up to size of sweet peas, scatters seed individually, prevents crowding and choking of seedlings, eliminates guess work because you can see each seed drop, no matter how fine. Saves time. Price, each, 65c, postpaid.

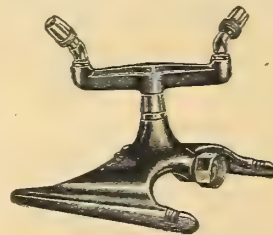
— NO SHARPENING — NO GRINDING —
OLD LAWN MOWERS
Will Cut As Good As New
New Mowers Cut Better Too
Flexible Striking Blade
WILL DO IT WITH LESS EFFORT
Easily Attached by Removing Old Blade
Made in U.S.A., 18 and 20 inch Blades



FLEXIBLE STRIKING LAWN MOWER BLADES

No sharpening, no grinding. Old lawn mowers will cut as good as new. New mowers will cut better, too. Easily attached to mower by removing old blade. Sizes 14, 16, 18 and 20 inches. Postpaid price \$2.00 each.

PARKSIDE NOZZLE TYPE SPRINKLER



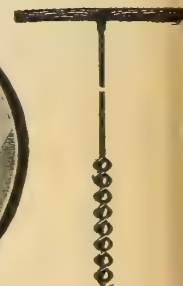
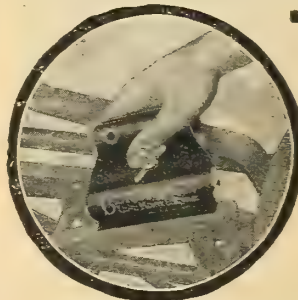
All purpose sprinklers. Adjustable for small to large size areas. It can be used as a revolving or stationary sprinkler. It will give a fine mist for new lawns and young plants. Operates efficiently with high or low water pressure. Price each, \$3.50.

HOSE WASHERS

$\frac{3}{4}$ in., made of rubber. Per package of 25, 10c.

GREENLEE EARTH AUGER

A handy auger for drilling holes to feed plant food to trees and shrubs. 2-inch size with 6-inch twist; length 40 inches overall. Each, \$3.50.



Bergman Lawn Mower Sharpener

A high-grade, durable lawn mower sharpener, easy to use and adjustable to all types of machines. No danger of making low spots in the blades. Price, \$1.10.

We hope to be in position to furnish Lawn Rollers and Lawn Mowers after March 1st.

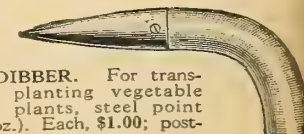
HOLE-IN-ONE PLANTING TOOL

Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil, leaving a perfectly flat-bottomed hole. Small hand tool for cultivated soil. Each, 65c; postpaid, 75c.



DIBBER. For trans-

planting vegetable plants, steel point (weight, 10 oz.). Each, \$1.00; postpaid, \$1.10.



GARDEN LINE REEL. (Weight, 2 lbs.) Each, \$1.75.

GARDEN LINE. Each heavy braided. Per 96 feet, \$1.10; by mail, \$1.20.



GRAFTING WAX. Per $\frac{1}{4}$ lb. bar, 25c; $\frac{1}{2}$ lb. bar, 40c; 1 lb. bar, 65c.

BONHAM GARDEN CULTIVATOR

Makes gardening a pleasure. Complete with cultivator teeth, plow and furrower. All metal parts are dipped in weather-proof and rust resistant paint. Price each, \$7.95. F. O. B. New York, \$8.25.



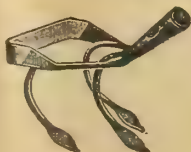
No. 110 Gardex Pull Hoe Weeder

This improved tool will do your weeding even in hard, dry and heavy soil. It will enter hard soil just as easily as light soil, cutting the roots of the weeds 2 to 3 inches deep. Made of specially rolled steel. The shears and cutting blades are sharp and resharpen while in use. Price: 5' width, \$1.75; 8 1/2' width, \$2.25.



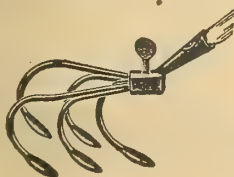
No. 1523 Gardex Cultivator, Weeder

Cultivate and weed with one tool. Important for every gardener. The 3-prong cultivator loosens the soil thoroughly while the weeding blade cuts off all weeds quickly. One tool for two purposes. Painted red, 3 prongs 4 1/2" wide. Weeding blade 4" wide—without handle, \$1.40.



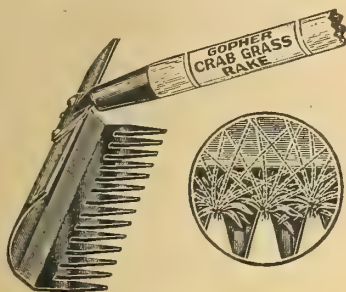
No. 1605 Gardex Interchangeable Garden Cultivator

The ideal tool, and the friend of many gardeners. A faithful helper for every woman who tends her own flower and vegetable garden. Loosens and air-conditions the soil in flower and vegetable gardens. The position and construction of the tines cause them to penetrate any soil easily, and they loosen and aerate the ground thoroughly with an easy pulling motion. No chopping hoe can do this job so evenly and neatly. No. 1605—5 prongs adjustable width 3/4" to 7"—with 5 ft. normal length Gardex handle.....\$1.75



HANDY CRAB GRASS RAKE

This rake is formed so that the teeth pull flat on the sod; thus they get under the branches of the Crab Grass, shear off the entire head of the plants and keep them from further seeding. You can eliminate crab grass with this rake and not harm the other grasses; it will also pull out any weed that clings close to the ground. Each, \$1.50.



Handy Adjustable Lawn and Dandelion Rake



An all-purpose lawn rake. Depth gauges adjustable, makes rake pull easily over soil without pulling up sod; made of high carbon steel. 5 ft. ash handle. Ceiling price, each, \$1.75.



SPADE. Razor Back. Rolled in backbone extending full length through blade frog and socket. Ceiling price, ea., \$2.00.

SHOVEL. Razor Back. Same construction as spade. Ceiling price, each, \$2.00.

FORK. Lightweight Spading. True temper quality, handy for spading around shrubbery and perennials. Each, \$1.75.



Knives
Budding and Prop. Two blades; white handle; brass caps. Each, \$1.75; by mail, \$1.85.
Propagating. "The Vaughan," best of all. Each, \$1.75; by mail, \$1.85.
Pruning. Stag handle. Each, \$2.50; by mail, \$2.60.



Potato Knife. "The Humphrey." Will cut to one or more eyes without injuring the vital tissues. Each, postpaid, 35c; 3 for \$1.00.



CARBORUNDUM BRAND. Home and garden sharpening stone. For sharpening knives, shears, edgers, etc. 10 1/4 inches long over all. Fitted with durable wood finished handle. Ea., 85c; by mail, 95c.

For Hot Beds and Cold Frames

HOTBED SASH

Write for prices on sash glazed and unglazed 3x6 ft.

VITAPANE

A flexible glass substitute; transparent all purpose window material, withstands wind, snow and rain, allows more light, permits easy inspection. Put up in rolls 36 inches wide. Price per 50 ft. roll, \$9.25. 1/2 roll, \$5.00; per yd., 75c.



GLAZING POINTS. Vaughan's Perfection. No rights or lefts; No. 2, small, for single thick glass; No. 2 1/2, double thick, for greenhouses and skylights. Price per box of 1 lb., 75c; by mail, 80c.
Siebert's Improved. Easy to drive, and will not wedge or crack glass, 2 sizes, 3/4 and 1/2 inch long. Price per lb., 70c; by mail, 80c.

SEED FLATS. Made from Ponderosa Pine, knocked down, bundled in bundles of 10 flats, each.

	Inside Dimensions	Per Bundle of 10
No. 2.	22 3/8 x 15 x 2 3/4 inches.....	\$4 50
No. 1.	20 x 14 x 2 3/4 inches.....	3 85
No. 2-A.	22 3/8 x 15 x 3 3/4 inches.....	4 80
No. 1-A.	20 x 14 x 3 3/4 inches.....	4 50

We do not break bundles.

WINDOW FABRIC VIO-RAY. A strong fabric treated by a patented process to make it transparent, weatherproof and waterproof. It costs much less than glass and for many purposes is superior. Anyone can put it up. It comes in rolls 36 inches wide and any length. Per yd., 48c; 10 yd. roll, \$4.50; 25 yds., \$11.00.



Standard Grade Tested

THERMOMETERS. Tin Case, Standard Grade Tested. 12-in., \$2.75.



Hotbed

Hotbed. All glass, each, \$1.50, postpaid.
Self-Registering. With magnet to set it, 8-inch, each, \$9.00; registers highest and lowest temperature.
Thermometers shipped by parcel post at purchaser's risk only.

PLANT BANDS

Made of waterproof, mildew resistant material. Will last a full growing season.

50—1 3/4 in., per package, 25c; postpaid, 35c.
36—2 1/2 in., per package, 25c; postpaid, 35c.

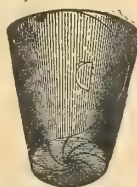
Green Neponset Paper Pot

	Especially adapted for growing.	Doz.	100	1000
2 1/2-inch.....	\$0.35	\$1.30	\$ 9.50	
3-inch.....	.40	1.60	10.75	
4-inch.....	.50	2.10	14.50	
5-inch.....	.75	2.65	22.00	

NEPONSET PAPER POTS (RED).

Made of waterproof paper, light, clean and unbreakable.

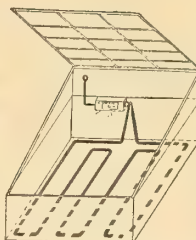
	Doz.	100	1000
2 -in.....	\$0.18	\$0.75	\$ 4.50
2 1/4-in.....	.20	.85	5.25
2 1/2-in.....	.23	1.00	5.75
3 -in.....	.28	1.25	6.85
3 1/2-in.....	.35	1.45	8.00
4 -in.....	.40	1.65	9.45
5 -in.....	.45	2.35	13.75
6 -in.....	.50	2.60	17.00



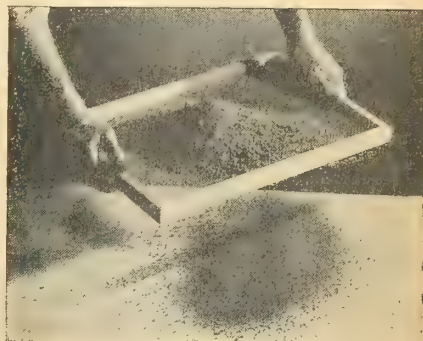
HOTBED MATS for protecting hotbeds. Made of poplin materials, vat dyed and Sanforized to make dampproof. 76x40 inches—each, \$5.75; dozen, \$65.00; 76x76 inches—each, \$8.50; dozen, \$98.00.

GRO-QUICK Electric Seed Bed Heater

Soil heating cable and thermostat. Jr. package contains thermostat and 40 ft. 200 watt cable for 3x6 ft. hot bed or 25 square ft. of cold frame. Price \$5.35. Sr. package contains thermostat and 80 ft. 400 watt cable for 6x6 ft. hot bed or 50 square ft. of cold frame. Price \$6.95; Jr. cable only price \$1.60; Sr. cable only price \$3.20.



HANDY HOME AND GARDEN SIFTER



For sifting soil and humus, for preparing soil for seedlings and pot plants. Made of galvanized wire 1/4 in. mesh in a well made wood frame 14 1/4 x 10 1/2 inches measurements. Postpaid price, \$1.10.

MOSS. MOSS Sphagnum. Burlapped bales. Ea., \$3.50.

TROWEL, TRANSPLANTING

Polished with narrow blade. Price each, 35c; postpaid, 45c.

GARDEN TROWEL

Made of high quality carbon steel with hard wood handle. Price each, 35c; postpaid, 45c.
Highest quality. All steel, one piece steel shank. Price each, \$1.25; postpaid, \$1.35.

PYROMITTS



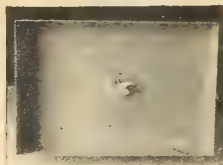
Made of cotton twill, chemically treated to be flame proof, heat resistant and water repellent by a process developed in the war effort. They are pliant, of light weight grey material with red trim. Can be used to work around the kitchen, particularly for baking and canning, also outdoors and around furnace etc. in the basement. Price per pair, \$1.00 postpaid.

Vaughan's Wick-fed

WOOD SEED STARTER



View of Wick-fed Starter with Plant Bands.
Size, 12x18 inches, 4 inches high.



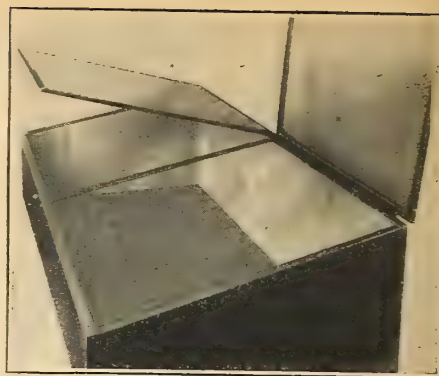
How wick is placed in bottom of starter.



End view showing water pan below.

Steel Cold Frame.

Made of 22 gauge rolled steel, painted green, two coats, size 3x6 feet, 18 inches high at back, 12 inches in front. Insulated with 1/2-inch fiberglass on inside walls to within 3 inches of bottom. Rigid metal sash glazed with Vimlite, unbreakable, rust resistant and waterproof plastic which allows ultraviolet and infra-red rays of sunshine to penetrate to plants. Each frame knocked down for shipment in carton, approximate weight 50 lbs. Complete instructions for assembling in 10 minutes. Each \$16, F.O.B. New York City, \$17 F.O.B. Chicago, Ill.

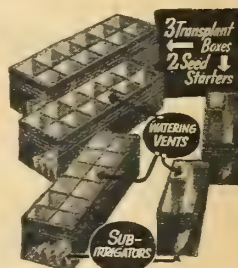


The Green Thumb Window Garden

To start seeds in the house, and grow transplanted seedlings into sturdy individually potted plants. Two seed starters are provided, having a total capacity of five to ten dozen seedlings. Also three transplant boxes, fitted with 33 plant bands, in each of which a seedling can be grown into a pot-plant.

All five boxes, with the trays and bands fitted into them, are made of waterproofed paper board. They are narrow enough to fit on a window sill. A self-watering feature, providing irrigation from below, reduces watering to a matter of adding measured quantities once or twice a week.

RG33 consists of the five boxes described, with 33 plant bands, packaged in a 4-color envelope, complete for 79c; postpaid, 90c.



DeLuxe Seed Starter and Pot Combination

This equipment is similar in a general way to that described above except that instead of plant bands, round pots are used, and no container for these pots is provided. The seed starter has a capacity of six to twelve dozen seedlings which should be transplanted to the pots.

No. R.G.50, consists of seed starter and 50 2 1/4-inch pots, for 89c; postpaid, \$1.00.

Window Sill Greenhouse

Capacity, 30 to 60 seedlings, 22 pot plants. Made of mildew resistant waterproof material. R B 22, each, 29c; postpaid, 36c.

PUTTIROPE. Improvement for glazing, and caulking. Easy to apply, won't deteriorate. Price, per box, 100 ft., \$1.35; 1000 ft., \$6.75.

Water Lilies

AS the principal feature of interest in the small garden, a pool answers admirably. It can be made to harmonize with either natural or formal styles and fits well into most designs. It will furnish a home for gold fish, and other aquatic animal life, while the bog plants and water lilies which can be grown in it have both beauty and strangeness to attract all. Garden makers are learning how easy it is to grow water plants and how richly they reward them.

Two Hardy Water Lilies . . \$3.00

Prepaid 600 Miles, Value \$4.50.

One each of Somptuosa (fragrant double pink) and Comanche (copper and apricot).

Two unusual and beautiful varieties seldom offered in collections.

For prepaid delivery add 10c each to hardy varieties and 25c to tropicals.

TWO TROPICAL WATER LILIES \$3.85

Prepaid 600 miles. Catalogue Value \$5.25
One each Blue Beauty and Juno, White night bloomer

TROPICAL WATER LILIES

Set out after June 1st in vicinity of Chicago. By August 1st will be in full bloom. Must have warm water and full exposure to sun. All are day bloomers, except Missouri, Juno and Hitchcock.

August Koch. Medium sized lovely lavender flowers. Free flowering. \$2.50.

Frances Griffith. Outstanding royal purple. Best of its color. \$2.75.

Mrs. W. R. James. A finer pink than Pershing. Huge flowers. \$2.50.

Blue Beauty. Huge sky-blue. Most vigorous. \$2.50.

Mrs. George Pring. Star-shaped white flowers, free-blooming. \$2.50.

Missouri. Huge white flowers open at night. \$2.75.

Juno. Huge white night bloomer. Very free and fragrant. We urge those who are not at home during the day to try night bloomers for greater enjoyment of the water garden. \$2.75.

Mrs. George C. Hitchcock. A pure rose pink night bloomer. Free blooming and of unusual size. \$2.75.

Pink Pearl. Brightest pink of lovely form. \$2.50.

HARDY WATER LILIES

This group requires less heat and will bloom earlier in spring. Can be carried over winter by the amateur with some protection. While flowers are smaller, they are borne over a longer season than the Tropicals. Most satisfactory for the average gardener.

Attraction. Garnet red with ruby shading. Finest red. \$3.00.

Chromatella. Pure canary yellow. Very vigorous and free flowering. \$1.75.

Comanche. At first of rich apricot hue, it deepens to copper. Its flower is held high above the water, like tropical water lilies. \$2.25.

Escarboucle. Brightest crimson and scarlet. Very striking. \$2.50.

Gloriosa. Deep carmine rose. Free and vigorous. \$2.50.

Hermine. A star-shaped white of clear, luminous texture. \$2.00.

James Brydon. Rosy crimson, small growth. Good for tubs. \$2.25.

Paul Harlot. Opens soft, clear yellow, deepens to apricot. \$1.85.

Pink Opal. Although new, so vigorous that the price is low. Deepest pink of great beauty. \$1.85.

Sioux. LARGEST of the sunset tints. Opens brassy yellow, deepens to blood red. \$2.00.

Somptuosa. Large double fragrant flowers of deep rosy pink with contrasting stamens of deep orange. \$2.25.

WATER LILY, MRS. W. R. JAMES

Vaughan's Irises



PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: Single plants, 5c; 6 plants, 10c; 12 plants, 15c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

"S" refers to the three standard, or upright, curling petals; "F" to falls or drooping petals. Iris is the most effective if planted 3 of a kind in a clump.

*Indicates outstanding garden varieties.

OUTSTANDING VARIETIES

- *City of Lincoln.** 40 in. A magnificent bi-color. The standards of clear, vivid yellow make a striking contrast with the golden edged, rich velvety red of its flaring falls. \$1.50.
- Claribel.** 40 in. A giant flowered, snow-white plicata, feather-stitched in soft blue. Similar to the famous Los Angeles. 45c; 3 for \$1.15.
- *Depute Nomblot.** 50 in. Dykes Medal 1930. Of great size. S. coppery-red, flushed golden bronze; F. rich claret crimson. 45c; 3 for \$1.15.
- Destiny.** 38 in. A great, heavy, dark toned Iris with deep purple standards and well shaped falls of bright, blackish red-purple. 50c.
- Golden Majesty.** 42 in. A truly superb Iris which is "tops" in its color class. It is a gleaming, deep rich, pure yellow self which does not fade. \$1.00.
- Happy Days.** 40 in. An immense clear yellow with flowers over 7 inches from top to bottom. 50c; 3 for \$1.25.
- *Indian Chief.** 40 in. Every garden should have this fine red. S. pinkish red. F. glowing velvety red. 40c.
- Missouri.** 36 in. Dykes Medal, 1937. One of the best of all blue Irises. S. clear vivid blue; F. slightly darker; semi-flaring. 60c.
- *Prairie Sunset.** 37 in. Dykes Medal 1943. A gorgeous new blend of peach apricot, rose, copper and gold that captures and holds within itself all the warm, glowing colors of the western sunset. \$4.50.
- *Radiant.** 33 in. One of the most freely blooming Iris ever produced. Its exquisitely shaped standards are a burnished golden bronze and the falls a glowing coppery red. \$1.00.
- Rebellion.** 38 in. S. coppery-rose; F. glowing deep blood-red. A vividly colored Iris of faultless form and rainproof substance. 50c.
- *Rosy Wings.** 38 in. Dykes Medal 1939. S. domed, deep pink in center, edged copper; F. semi-flaring, dark royal-red bordered with copper; fragrant. 45c; 3 for \$1.15.
- *Tiffany.** 36 in. A sensational plicata creation in creamy yellow gaily stitched in a burnished rosy bronze. Hardy, free blooming. 60c.

Ask for our "Complete List of Irises", ready in June. Complete list of Peonies will be found in our Fall Bulb Catalog, ready about Sept. 1st.

FALL BLOOMING IRISES

- *Autumn King.** 30 in. A blue-purple bicolor of fine size. 35c; 3 for 90c.
- *Eleanor Roosevelt.** 28 in. A very fine deep purple. 40c.

IRIS KAEMPFER

Price, each 60c; 3 of one kind for \$1.50.

Azure. Exquisite, wavy mauve-blue, with darker halo surrounding the yellow blotches.

Eight Iris Aristocrats \$3⁰⁰

Catalogue Value \$4.05 (Postage 10c Additional)

These are among the fifty finest Irises in cultivation. Each is rated close to perfection and not long ago not one could have been purchased for the price of the collection. Your Iris display is lacking if you have not these varieties; and our low prices make it possible to own them for less than the cost of ordinary plants.

- *Cheerio.** 40 in. Considered the most brilliant of all the red toned Irises. S. golden tan flushed rose; F. rich, glowing velvety red. Produces an abundance of finely formed flowers. A "must have" for your garden. 50c; 3 for \$1.25.
- *Exclusive.** 40 in. Exclusive, yes—for no other blue is quite like it. The pure light blue color is overlaid with a silvery mist which produces a "powder blue" effect that is very beautiful. The flowers are of perfect form and have strong heavy substance. 60c.
- *Gudrun.** 36 in. Enormous, well shaped flowers of lovely pure white, dusted with soft gold at the throat. Very fine. Early. 45c; 3 for \$1.15.
- *The Black Douglas.** 48 in. S. dark violet. Very fine, richly colored Iris of good form. 45c; 3 for \$1.15.
- *Indian Hills.** 37 in. A stunning Iris of clear rich wine purple. Its large blooms are of good substance and fine, oval form. They have great carrying power and make a glorious mass of color in the garden. 50c; 3 for \$1.25.
- *Red Brick.** 31 in. Gigantic flowers of brick red on rather short stalks. S. orange-red; F. pure brick red with red veining on amber ground at haft. 50c; 3 for \$1.25.
- *Red Dominion.** 40 in. S. clear lustrous, deep red, slightly frilled. F. broad, horizontal, velvety red; nearly black. One of the most popular Iris grown. 45c; 3 for \$1.15.
- *Royal Coach.** 36 in. S. chamois yellow, overlaid pink with faint cinnamon dotting; F. semi-flaring, bright yellow, beautifully bordered and dotted brown. Flowers of heavy substance on strong branching plants. 60c; 3 for \$1.50.

IRIS KAEMPFER—Continued.

- Date-Dagu.** Very large single flowers of rose-pink with gold center.
- *Gold Bound.** Double. White with gold-banded center. Earliest to bloom.
- Neptune.** An unusual single of deep pansy violet overlaid dark blue.
- *Kumochi-Guma.** A beautiful double of dark purplish-indigo.
- *Uchiu.** Cerulean blue, veined white; gold center. Blooms a long time. Double.

Special Offer No. 93A. One each of above 6 named Kaempferi Irises (value \$3.60) for \$2.95. (Postage 15c additional.)

Peonies

- Edulis Superba.** (7.6) Usually blooms for Decoration Day. The large flowers are a beautiful deep, vivid pink, and are borne profusely on tall, strong stems. Very fragrant. 90c.
- Felix Crousse.** (8.4) Its large, globular flowers, are a brilliant, dazzling ruby-red. Late midseason. \$1.00.
- Mad. de Verneville.** (7.9) Very full and double, pure white, center tinted blush. Exquisite rose fragrance. Very beautiful reliable bloomer; early. 90c.

Special Offer No. 93B. One each of the above 3 Peonies (value \$2.80) for \$2.25. (Postage and Packing, 15c additional.)

- Baroness Schroeder.** (9.0) Immense flowers of delicate blush white. Fragrant; late. \$1.50.
- Festiva Maxima.** (9.3) Large flowers, often 7 to 8 inches in diameter. Flowers pure white, dotted carmine. Fragrant; early. \$1.00.
- Grover Cleveland.** (8.2) Rose type; late. Rich, dark crimson; a strong grower. \$1.25.
- Karl Rosefield.** (8.8) Huge ball-like flowers of rich velvety-crimson. Extra fine; early midseason. \$1.25.
- Martha Bullock.** (9.1) Gigantic, cupped shaped flowers of bright old-rose pink. Rose-like fragrance; late. \$1.50.
- Reine Hortense.** (8.7) Unusually large and beautiful light pink, center flecked crimson. Midseason \$1.00.
- Solange.** (9.2) Large, compact flowers of beautiful deep cream, tinged with amber throughout. Exquisite. \$1.25.
- Therese.** (9.5) Perfect blooms of immense size. Early mid-season. \$1.50.

Special Offer No. 93C. One each of Festiva Maxima, Grover Cleveland, Karl Rosefield and Reine Hortense (value \$4.50), for \$3.50. (Postage and Packing, 15c additional.)

Small Fruits

All Prices F.O.B. Western Springs, Ill. (If wanted by mail, add 10c per 10, 15c per 25 or 25c per 50 for postage and packing.)

On account of government restrictions, we cannot ship Small Fruits into or west of the States of Idaho, Colorado or Arizona.

BLACKBERRIES.—Price, 3 for 85c; 10 for \$2.00; 25 for \$4.50; 50 for \$7.50.

Alfred. Mammoth berries, almost coreless.

BOYSENBERRY (Thornless). Sensational new fruit. Huge berries of rich purplish maroon. Very sweet; delicious flavor; few seeds. Price No. 1 transplants, 3 for \$1.75; 6 for \$3.00; 10 for \$4.50; 25 for \$9.50.

RASPBERRIES.—Price, except where noted, 3 for \$1.00; 10 for \$2.50; 25 for \$5.50; 50 for \$10.00.

Cumberland (Black). Extra large, oval, rich and juicy. Good quality; very productive.

Indian Summer—The Best Everbearing Red Raspberry. Large berries of high quality ripen early and then produce a second crop in Sept. and Oct. Price, 3 for \$1.25; 10 for \$2.75; 25 for \$6.00.

Latham (Red). Berries are immense, dark red in color and well flavored. Extremely hardy.

Morrison (New Black). An extra large berry of high quality; not as seedy as most blackcaps.

Sodus (New Purple). Very heavy yielder of fine berries for home use. Large fruit; distinct flavor.

Sunrise (New Red). Extra early variety of large size and fine flavor. Very hardy.

GRAPES.—Price, except where noted, 2 yr. No. 1 each, 75c; 3 of one kind for \$1.75; 10 for \$5.00.

Caco (Red). The most beautiful of the hardy grapes. Bunches large and compact, fruit sweet and palatable weeks before fully ripe.

Catawba (Red). Large bunches of coppery-red fruit. Late bearing; excellent for grape juice.

Concord (Black). The most popular grape in America. Large, handsome bunches of large, luscious berries; juicy, sweet and tender. Very productive.

Concord Seedless (Black). A seedless variety of Concord. Scarce. 1 yr. No. 1, \$1.25; 3, \$3.50.

Fredonia (Black). The earliest good black grape, ripening about three weeks before most varieties. Clusters medium; berries large, of very good quality.

Niagara (White). Large, handsome, very sweet.

Portland (White). This is the earliest of all grapes. Large in bunch and berry; flesh sweet, juicy and of fine color. Hardy, vigorous, productive.

Sheridan (Black). Valuable new grape that is expected to replace Concord, which it surpasses in many regions. Large in bunch and berry; keeps and ships well. Good quality.

SPECIAL OFFER No. 93D. One each of grapes Caco, Fredonia, Portland and Sheridan (value \$3.00) for \$1.95. (Postage and packing, 15c additional.)

New Hardy Everblooming Hybrid Tea Roses



Peace

Pat. 591

All-America Rose
Selection 1946

The Most Beautiful
Rose in the World
To-Day

Peace is the only All-America Rose Selection for 1946 and its final average score is the highest received by any rose since the official trials started. It is a beautiful creation, distinguished by the changing colors through which it passes—canary yellow, pale gold, cream, ivory and alabaster—white; cerise, rose and apple-blossom pink. Huge yellow buds, edged with cerise, open to great peony-like blooms, often 5 to 6 inches in diameter, which change to creamy yellow with a delicate flush of pink, deepening as the flower slowly opens. Blooms are produced singly all season on strong and straight stems; they last an unbelievably long time and they will bring an ethereal beauty to your garden all summer long. The plant is as superior as the bloom, hardy and vigorous, with shining holly-like foliage. Mild fragrance. Each, \$2.50; 3 for \$6.25; 12 for \$25.00.



McGREDY'S IVORY

Price of the following nine varieties:

Dormant Roses, \$1.50; 3 of one kind for \$4.25

★**Christopher Stone.** Produces quantities of brilliant, velvety scarlet blooms all season. Delicious fragrance.

★**Duquesa de Penaranda.** This glorious Rose produces two distinct types of flowers. In summer the splendid blooms are of a coppery apricot color; in autumn a luscious cinnamon-peach color.

★**Etoile de Hollande.** A brilliant dark red Rose of magnificent size and perfect form. Vigorous grower, heavy bloomer; flowers deliciously fragrant and beautiful in all stages of development.

★**McGredy's Ivory.** "The perfect white rose." Its long pointed, perfectly shaped, ivory-white buds open into magnificent blooms of breath-taking loveliness. The plants are vigorous, have good foliage and produce quantities of long-lasting moderately fragrant, perfect roses.

★**Picture.** This is one of the loveliest of all pink Roses, every flower being a perfect picture in color and form. The nicely formed buds open into medium-sized flowers of velvety rose-pink with a warm salmon undertone. A splendid cutting Rose that produces quantities of fragrant bloom.

★**Poinsettia.** Here is the Rose that will be the sensation of your garden for it is the most dazzling red Rose we have ever seen. The plants are good and bloom profusely.

★**Sterling.** (Patent No. 21). Here is a new Rose that is just about perfect. The flowers are a beautiful clear pink with orange base; bud pointed and very lasting when cut. It is a vigorous grower, has disease-resistant foliage, and it blooms and blooms.

★**The Doctor.** The most glorious pink Rose we have ever seen. The buds are long and pointed and expand to simply enormous blooms of beautiful, glowing rosy pink. Intensely fragrant; excellent for cutting.

Will Rogers. (Patent No. 256). This Rose is one of the finest of velvety reds. In color it is a black crimson-maroon and holds well. Very vigorous and has a really intense old rose fragrance. It bears quantities of flowers throughout the season. Does best in semi-shade.

NEW PERPETUAL FLOWERING DOORYARD ROSE

Mabelle Stearns. (Patent No. 297.) A Rosa Setigera Hybrid that is hardy without protection in the Temperate Zone. Very hardy plants growing 2 feet high and spreading 6 to 8 feet or more if permitted. The full double delightfully fragrant flowers of peachblossom-pink are produced in panicles from June until frost, and are excellent for cutting. Rich, green, healthy foliage. Excellent for embankment and memorial plantings. \$2.00; 3 for \$5.50.

When varieties ordered are sold out, we reserve the right to substitute with equal value, unless instructed not to do so. As supply is limited, we will be unable to accept any orders for Roses after May 1st.

All Roses listed are dormant, Northern grown 2 yr. No. 1 grade and should be planted early. All Roses are shipped via express from Western Springs, Ill., or may be shipped via parcel post if postage is sent. Allow 1 lb. for each plant. See order blank for postage rates. (No Roses are shipped c.o.d.)

★**Mirandy.** AARS 1945. (Pat. 632). The first place winner for 1945. The large, long pointed, ovoid buds, are a deep rich dark red with black shadings, opening to a gorgeous Chrysanthemum-red. The huge 50-petaled flowers are long lasting; have a wonderful fragrance, and are produced continuously all season. Each, \$2.50.

AARS. These are Roses selected by the Rose Council after two-year tests in 18 Official All-America Rose Selections Test Gardens. Only a Rose that is almost perfect and gives A-1 results in all parts of the country can pass their rigid tests. When you get an AARS variety, you get the best.

Price of the following five varieties:

Dormant Roses, \$2.00; 3 of one kind for \$5.50

★**Fred Edmunds.** AARS 1944. (Pat. Pending). A spectacular Rose, so rich in color you can hardly believe your eyes. The long, pointed buds of burnt orange, on long stems, open to beautiful flowers of clear sparkling orange. A fine garden variety that has an abundance of bloom and extra good foliage.

★**Horace McFarland.** AARS 1945. (Patent pending). The buds are extra long and pointed, a deep apricot in color, and excellent for cutting. They open to big full, double flowers of deep glowing apricot-pink with light shades of salmon-buff and coral pink. Spicy fragrance. Foliage abundant, leathery, dark green and disease resistant.

★**Katherine T. Marshall.** AARS 1944. (Pat. 607). Long pointed buds of exquisite coral pink open to very large, full cupped blooms of warm glowing pink; fruity fragrance. A marvelous grower and producer of long stemmed roses.

★**Lowell Thomas.** AARS 1944. (Pat. 595). Large, beautiful buds open into perfectly formed, high centered, lasting flowers of rich, golden yellow. Vigorous bushy plants.

★**Mme. Chiang Kai-Shek.** AARS 1944. (Patent Applied For). The "Honor Rose" for 1944 and the loveliest of all yellow Roses. It has long pointed buds of light yellow which open full to beautifully formed, creamy yellow, long stemmed flowers over dark green, disease resistant foliage.

FOUR GREAT ROSES

Collection No. 88A

One each California, Charlotte Armstrong, Crimson Glory, and Pearl Harbor, (value \$6.60) for \$6.00.

The Hybrid Tea Roses bear their glorious blooms profusely from June until late fall. In severe winter climates they need proper winter protection.

Price of the following nine varieties:

Dormant Roses, \$1.65; 3 of one kind for \$4.50

★**California.** AARS 1940. (Pat. 443). "The Rose of Roses in shades of gold." Its unusual coloring, ruddy orange toned with saffron yellow, has a dual tone effect of indescribable richness and beauty. Buds long and pointed, flowers of enormous size, often five inches in diameter. Growth vigorous, healthy foliage; fragrant.

★**Charlotte Armstrong.** AARS 1941. (Pat. 455). An amazingly beautiful new Rose that is said to outbloom most varieties three to one throughout the season. The long, slender, blood-red buds open into magnificent, brilliantly colored flowers, spectrum-red in cool weather, cerise in hot weather. Blooms are on long stems and are very lasting when cut; plants are strong and vigorous with good foliage.

★**Crimson Glory.** (Patent No. 105). We consider this the finest of the new red Garden Roses. It gives a quantity of fine blooms all summer and fall. Its large, urn-shaped buds open to deliciously fragrant flowers of intense, deep vivid crimson shaded ox-blood red and mellowed by a soft velvety nap. Vigorous growth.

★**Dicken's Red.** AARS 1940. (Pat. No. 356). A glowing scarlet-red rose of great brilliance, retaining its color in the hottest sun. Blooms early and unceasingly. Rich fragrance.

★**Douglas MacArthur.** (Pat. No. 581). Long and well-formed buds open to magnificent blooms of rose, gold and salmon. Very vigorous, hardy and free blooming; fragrant.

★**Eclipse.** (Patent No. 172). Introduced in 1936, this Rose is internationally famous and is of sensationally new form. Long, streamlined buds of clear, bright yellow, freely produced. Semi-double blooms, lasting well. A fine garden Rose.

★**Grand Duchesse Charlotte.** AARS 1943. (Patent Applied For). The long streamlined buds of magnificent Morocco-red open to firm-petaled blooms of dusky coral-red which do not fade but gradually merge to a lovely coral-pink; carnation fragrance.

★**Heart's Desire.** AARS 1942. (Patent 501). This is the No. 1 Rose of the 1942 "All-America Rose Selections," and what a Rose, for it really has everything that your heart could desire. A pure luminous red color, very sweet fragrance, long stems for cutting, vigorous growth and good foliage.

★**Pearl Harbor—"The Memory Rose."** (Patent Pending). A plant of tremendous vigor that will grow and bloom freely under most adverse conditions. The buds are exceptionally large and pointed. The upper surface of the petals is a delicate shade of shell-pink, shaded golden-bronze at the base. The outer, or reverse side of the petals is vivid Tyrian-rose. The plants are practically thornless.

Hardy Hybrid Tea and Climbing Roses

CHOICE EVERBLOOMING HYBRID TEA ROSES

Dormant Roses, \$1.35; 3 of one kind for \$3.85.

★**Condesa de Sagtogo.** A spectacular Rose with cupped flowers of orange-scarlet on the inside, yellow on the reverse.

★**Editor McFarland.** Perfectly formed lasting, brilliant rose-pink flowers, excellent for cutting.

★**Golden Dawn.** Noted for its quantity of bloom and considered the finest light yellow garden Rose. Buds lemon yellow, splashed with carmine, open to great big fragrant blooms of pale straw yellow. Bushy, vigorous.

Gruss an Teplitz. Rich scarlet shading to crimson, very fragrant. A vigorous grower and in bloom all the time. One of the best outdoor bedding varieties. Very hardy.

★**Joanna Hill.** One of our most popular Roses and the best of its color. Rich cream and ivory with a yellow-orange heart.

★**McGredy's Scarlet.** A Rose with the McGredy name is always a top-notch and this one is no exception. Its perfectly formed flowers of vivid rose-red come on long stems and are excellent for cutting.

★**McGredy's Yellow.** Beautifully formed buds of pure, light butter-cup yellow; open flowers cup-shaped, with a mass of golden anthers glorifying the center.

★**Mme. Butterfly.** This Rose should be in every collection, large or small. Time has proved its dependability and endeared it to the hearts of all. Light pink petals with deep shadings of apricot and gold at its heart and petal lips of ivory white.

★**Mme. Jules Bouche.** Long, pointed, shapely buds, excellent for cutting, opening into superb white flowers, slightly shaded at times with blush pink; fragrant. Plant exceptionally strong and continuously in bloom.

★**Mrs. Charles Bell (Shell-Pink Radiance).** An exquisite shade of salmon-shell-pink that is not found in any other Rose. Has delicious fragrance and all the excellent qualities of Radiance.

★**Mrs. Erskine Pembroke Thom.** An unfading yellow with dark, healthy foliage. Slender buds open to perfectly shaped flowers of canary yellow.

Mrs. Pierre S. DuPont. One of the most continuously blooming Roses grown. Long pointed, reddish gold buds opening into exquisitely formed flowers of dark golden yellow. Compact bushes with glossy foliage.

Peter's Briarcliff. Long pointed buds and large, light centered flowers of deep rose-pink passing to a lighter shade on outer petals. Fragrant. Almost thornless and one of the finest garden Roses for cutting.

Pink Dawn. Full, double flowers of glistening rose-pink, changing to soft pink with a gold base. Buds are extra long; excellent for cutting. Very popular as it blooms freely and grows vigorously like the Radiance Roses.

President Herbert Hoover. Its deep copper-red buds open slowly to a wonderful blend which can only be described as multi-colored, with a dominance of cerise-pink and rich cream veined with scarlet. Superb buds; large flowers, lasting well; long stems—in fact every detail of this excellent rose adds to the beauty that has made it so popular.

★**Radiance.** Large, full, deliciously fragrant blooms of brilliant rosy carmine, shaded with pink. Constant bloomer and excellent keeper in hot weather. Easy to grow and one of the most popular Roses in America.

★**Red Radiance.** Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. Hardy; strong grower.

Southport. Fine flowers of an exceedingly brilliant scarlet which is unaffected by the weather. Very showy, probably the most brilliant of all scarlet Roses. Produces more flowers than any other Hybrid Tea Rose in our collection.

Talisman. A remarkable blending of gold, apricot, yellow, deep pink, and old rose. The rose of many Gold Medals and one of the most popular of all roses for cutting.



HEART'S DESIRE

FLORIBUNDA ROSES

These Roses are among the hardiest and most continuous blooming hybrids offered, giving a spectacular and permanent display from June until frost. Their flowers are borne in clusters.

Price, except where noted.

Dormant Roses, \$1.35; 3 of one kind for \$3.85

Cheerio. Superb variety with brilliant double flowers of clear mallow pink shading to Tyrian rose at the base of the petals with reverse or outside a luminous rose-madder. \$1.50.

★**Dagmar Spath (White Lafayette).** Large trusses of pure white semi-double flowers, produced freely all summer. Excellent for cutting.

★**Floradora.** AARS 1945 (Patent Pending). Spectacular profuse-blooming new Floribunda of bright Cinnabar with shades of scarlet and geranium red. \$1.50; 3 for \$4.25.

★**Improved Lafayette.** An unusually prolific large flowering variety; very showy and fine for mass plantings. Flowers deep brilliant red, richly suffused crimson.

★**Little Beauty (Crown of Jewels).** (Pat. 149). One of the finest bedding roses grown. Plants are almost thornless, are vigorous and bushy, with leathery foliage, and clusters of very double, cup-shaped blooms of lovely coral-rose. Marvelous for cutting, lasting for an unusually long time.

★**Rosenelfe.** Unusually beautiful, silvery rose-pink flowers of Gardenia-like form. They are very double, about 2½ inches across, and are produced freely all summer. \$1.50; 3 for \$4.25.

Sunmist. Graceful, pointed buds opening into large, well-rounded flowers of a clear light sulphur yellow shading to mellow canary yellow toward the base of the petals. \$1.50.

CLIMBING ROSES

Attention is invited to the many types of climbing Roses in our list. New varieties are creating greater interest in climbers. Many varieties are quite hardy but we advise winter protection.

Price of the following six varieties:

Dormant, \$1.35; 3 of one kind for \$3.85.

Bonfire. Best red climber. Many heavy trusses of small double dazzling scarlet flowers in large clusters of 20 to 25 blooms.

Climbing American Beauty. A free-climber. Rosy flowers, 3 to 4 inches across, produced freely in June and occasionally throughout the season.

Mary Wallace. Well formed, semi-double flowers of a bright clear rose-pink with salmon base. Flowers, generally 4 inches in diam.

Paul's Scarlet Climber. A most important addition to the Climbing Roses; none can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber.

Primrose. A pure yellow, hardy climbing Rose. Its large, double flowers are a soft, rich primrose yellow, and are borne in clusters of 4 and 5 on an extremely vigorous plant.

Silver Moon. Beautiful, fragrant, semi-double flowers four and a half inches and over in diameter. Creamy white petals.

NEW PATENTED CLIMBING ROSES

Blaze. (Plant Patent No. 10). A marvelous, scarlet-red Rose, combining the bloom and growth of Paul's Scarlet Climber with everblooming character. Blooms are double, often 4 inches in diameter. Gives a fine display in June and then blooms again in the fall. \$1.65.

Climbing Break O'Day. (Prop. rights reserved). Vigorous everblooming climber, with large, very double flowers of orange-apricot shaded with lighter tints. \$2.00.

Doubloons. (Plant Patent No. 152). A hybrid of our native Rosa Setigera and very hardy. Clusters of very large cup-formed, saffron yellow blooms, opening one after the other literally cover the plant for a long period. Growth vigorous, with long, heavy canes; foliage dark green. \$1.50.

Golden Glow. (Pat. No. 263). The pure spec- trum yellow flowers of hybrid tea type and good China tea fragrance, are 3½ to 5 inches across and are produced on stiff stems, 1 to 15 or more, over a long period. The color is practically fadeless and the flowers literally cover the plants, making a wonderful display. Vigorous grower; hardy. \$1.50; 3 for \$4.25.

The New Dawn (The Hardy Everblooming Dr. Van Fleet). Patent No. 1. The first patented Rose and the first ever-blooming climbing Rose. A sport from Dr. Van Fleet, having same habit of growth. The delicate flesh pink flowers are fragrant and bloom all summer and fall. \$1.65.

Thor. (Giant Scarlet Climber). (Patent No. 387.) Brilliant scarlet-red of the same shade as Crimson Glory. The flowers are perfectly formed, 4 to 5 inches across, and are just as handsome as those of a Hybrid Tea Rose. Flowers have 55 to 60 petals and are produced abundantly. Foliage rich bottle-green which does not mildew or black-spot. Hardy without protection in the Temperate Zone. Unquestionably the finest scarlet Climbing Rose creation to date. **Dormant, \$2.50.**

A Good Growing Tip

As soon as dormant Roses are properly pruned and planted, hill them up with 3 or 4 inches of moist soil. This keeps the wind from drying the plants and helps them to leaf out more quickly. Remove soil gradually as plants begin growing.

Fruit Trees

All trees are shipped via express from our Nurseries, Western Springs, Ill. Government Quarantine restrictions prohibit our shipping fruit trees into or West of the States of Idaho, Colorado and Arizona.

APPLE TREES

4 to 6 ft., 1½ in. caliper and up, each, \$1.75; 3 for \$4.50.

Summer Varieties: Anoka, Beacon, Yellow Transparent.

Fall Varieties: McIntosh, Wealthy.

Winter Varieties: Cortland, Jonathan, North-western Greening, Red Delicious, Rome Beauty, Yellow Delicious.

Crab: Dolga (red).

Price of the following 4 varieties;

4 ft. up, 9-16 in. caliper and up, each, \$1.50; 3 for \$3.75.

Varieties: Anoka, Cortland, McIntosh, Red Delicious.

QUINTUPLET APPLE TREE

Anoka, Delicious, Jonathan, Yellow Delicious and Yellow Transparent. This is the ideal tree for the small yard, 5 different varieties of apples are grafted on one tree, which will give you good apples for summer, fall and winter. 4 to 6 ft. Each, \$3.95.

CHERRIES (sour)

4 ft. up, 1½ in. caliper, each, \$3.00.

Early Richmond. Montmorency.

NEW PEACH HARDEE

Plant Patent No. 120. Large yellow fruit of the Elberta type. Very resistant to cold and drought. 4 to 5 ft., ¾ in. caliper. \$1.95; 3, \$5.00.

See Page 99 for Small Fruits

ROSA ROULETTI

NEW MINIATURE OR LILLIPUT ROSE. Ever-blooming, hardy, height 6 to 8 inches, double dark pink blooms in profusion.

Plants, 65c; 3 for \$1.75.

ROSA PIXIE

Pat. 408. A dainty white miniature. Fine for edging. Dwarf and everblooming. Each, 75c; 3 for \$2.00.



BUDDLEIA (Butterfly Bush)

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.

The figures in italics following each variety indicate in feet the average height of the plant at maturity. B. & B. indicates "Balled and Burlapped."
(No Nursery Stock Shipped C. O. D.)

ALMOND (Prunus)

Flowering Almond (Prunus Glandulosa). 4 to 6 ft. These bushy shrubs never fail to produce in early spring, before the leaves appear, a profusion of small very double white or pink, rose-like flowers that are closely set along the branches.

Double Pink. 2 to 3 ft., \$1.50; 3, \$4.00.

BARBERRY (Berberis)

Green Leaved Barberry (B. Thunbergii). 4 ft. Popular hedge plant. Scarlet berries in fall and winter. 18 to 24 in., 75¢; 3, \$2.10; 10, \$6.50; 100, \$55.00.

Mentor Barberry (B. Mentorensis). (Patent No. 99) 3 ft. It is extremely hardy and is able to withstand intense heat and drought without wilting or burning. Its foliage is heavy and thick and remains green until after the holidays. 18 to 24 in., \$1.00; 3, \$2.75; 10, \$7.50; 100, \$60.00.

Red-Leaved Barberry (B. Thun. Atropurpurea). 4 ft. The foliage is a rich, bronzy red all summer. Plant in full sun to develop its coloring. 18 to 24 in., \$1.00; 3, \$2.75; 10, \$8.50.

BEAUTY BUSH (Kolkwitzia Amabilis).

Its trumpet-shaped pink flowers make a wonderful showing in June. Grows from 6 to 8 ft. tall and fully that wide. 2 to 3 ft., \$1.35; 3, \$3.75; 3 to 4 ft., \$1.75; 3, \$4.75.

BIRCH (Betula)

European White Birch (B. Alba). 30-40 ft. Of very upright habit with beautiful white bark. Foliage small and finely toothed. 8 to 10 ft., \$5.00.

HYBRID BLUEBERRIES

State Bars shipment into Michigan.

Highly Ornamental Plants—Delicious Fruits.

3 to 5 ft. Beautiful all year. The foliage is a deep, rich green in summer, turning to a beautiful crimson in fall, and all winter the twigs are bright red. Excellent for planting with Evergreens or Broad-leaved Evergreens, as they require an acid soil. Large clusters of beautiful blue fruits, plump, meaty, tender and practically seedless. Flowers are not self-fertile and therefore we only sell 3 or more plants to a customer—so that we can supply more than one variety. Price, 2-year clumps, B & B, 3 for \$5.25; 5 for \$8.50.

BURNING BUSH (Euonymus)

Winged Burning Bush (E. Alatus). 6 to 8 ft. Bark cork-like and curiously winged; leaves small; fruit red; in autumn, foliage bright red. One of our best shrubs for specimen plantings and for growing in shady locations. 2 to 3 ft., \$2.00; 3, \$5.25; 3 to 4 ft., \$2.50; 3, \$7.00.

Dwarf Burning Bush (E. Alatus Compacta). 4 to 6 ft. A compact form of the above. 18 to 24 in., \$2.25; 3, \$6.00; 24 to 30 in., \$2.95.

Flowering Trees and Shrubs

BRIDAL WREATH (Spiraea)

5 to 6 ft. One of the most beautiful and useful shrubs. 3 to 4 ft., 90¢; 3, \$2.50; 10, \$7.50.

FOUR NEW BUDDLEIAS

(Butterfly Bushes or Summer Lilacs) \$2.95

One each of those listed below.

The long tapering spikes thickly covered with minute tubular flowers of pleasing fragrance bloom during July and continue until frost. Excellent for cut-flowers. The stalks die to the ground each winter but come up vigorously again in the spring.

Charming. 4 ft. A glorious variety, bearing elegant long sprays of lavender-pink blooms. Is decidedly pink in color as compared with other varieties.

Dubonnet. 4 ft. A splendid new color, matching that of the French Dubonnet wine, glowing red in the sun or under artificial light.

Orchid Beauty. 3 to 4 ft. A fine Buddleia having flower heads up to 24 inches in length, broad at the base. Individual florets fringed; color soft cattleya-lilac with brilliant orange eye.

Royal Purple. (New). 3 to 4 ft. One of the loveliest of all the Buddleias, with very shapely, extra long, full spikes of bloom that are a brilliant, glowing red-purple in color.

Prices of above, field grown, each, \$1.00; 3 for \$2.85.

BUSH CHERRIES (Prunus)

Hansen's Improved Bush Cherry (P. Besseyi).

Hanseni. 4 to 5 ft. Hardy, quick-bearing cherry. Fruit resembles a small plum, massed in clusters from the ground up; good to eat fresh and makes delicious preserves. Have striking ornamental value, dwarf, bushy nature, fragrant white flowers in spring and beautiful silvery green foliage which turns rich red and gold color in fall. 2 to 3 ft., 90¢; 3, \$2.50; 10, \$8.00.

New Nanking Cherries (Pr. Tomentosa). 5 to 6 ft.

Excellent shrubs that have beautiful foliage and bloom and bear loads of delicious fruits. In early spring the sturdy plants are covered with a mass of bloom and in July are covered with ropes of red cherry-like fruits that are excellent for eating out of hand, for canning or for jelly. Very hardy. Plants offered are grafted and are offered in lots of 2 or more to insure pollination. 2 for \$2.95; 4 for \$5.75.

BRILLIANT CHOKEBERRY

Aronia Brilliantissima. 6 to 8 ft. Brilliant red berries in August that remain until winter and bright crimson foliage in fall. 3 to 4 ft., \$1.00; 3, \$2.85.

COTONEASTER

Peking Cotoneaster (Acutifolia) 5 to 10 ft. Small leathery leaves of rich glossy green, jet black berries in fall. Extremely hardy, it makes one of our finest hedges. Can be trimmed like Privet. 2 to 3 ft., 90¢; 3, \$2.50; 10, \$7.50; 100, \$65.00.

CRAB, FLOWERING (Malus)

Bechtel's Double-Flowering Crab (M. Ioensis

Bechteli). 10 to 15 ft. Trees of medium size are covered in early spring with large, beautiful, double fragrant flowers resembling small roses of a delicate pink. 3 to 4 ft., \$2.75; 4 to 5 ft., \$3.75.

Eleyi Crab (M. Eleyi). 10 to 15 ft. Red foliage in spring later turning to bronze green. Produces clusters of wine red flowers and fruits of a dark red color. 4 to 5 ft., \$2.75; 3, \$7.75.

Rose Flowering Crab (M. Hopa). 15 to 20 ft. Very hardy and one of the most beautiful of all flowering trees. Produces quantities of very large, deep rose-colored flowers followed by large edible fruits; distinctly red fleshed. 4 to 5 ft., \$2.75; 3, \$7.75.

CRANBERRYBUSH (Viburnum)

European Cranberrybush (V. Opulus). 10 ft. Showy, cranberry-like berries in fall and early winter. 2 to 3 ft., \$1.00; 3, \$2.75; 10, \$8.50; 3 to 4 ft., \$1.25; 3, \$3.60; 10, \$10.00.

DOGWOOD (Cornus)

Redtwig Dogwood (C. Alba Sibirica). 6 to 10 ft. Bright coral-red branches. 3 to 4 ft., \$1.10; 3, \$2.95; 4 to 5 ft., \$1.25; 3, \$3.30; 10, \$10.00.

Goldentwig Dogwood (C. Stol. Flaviramea). 6 to 10 ft. Attractive golden yellow bark. 2 to 3 ft., \$1.00; 3, \$2.75; 3 to 4 ft., \$1.10; 3, \$2.95.

Pink Flowering Dogwood (C. Florida Rubra). 15 ft. A small, upright tree that produces large deep rose-colored flowers in early spring. Very showy. 2 to 3 ft., B. & B., \$5.50; 3 to 4 ft., B. & B., \$7.00.

White-flowering Dogwood (C. Florida). 15 to 20 ft. Masses of large, single white flowers in May. 2 to 3 ft., B. & B., \$4.00; 3 to 4 ft., B. & B., \$5.00.

CHINESE ELM HEDGING

Ulmus Pumila. It forms a beautiful, dense, impenetrable hedge with small dark green foliage. It can be kept low-growing and clipped, or can be used where immediate screening effects are desired. For hedge purposes, plant seedlings 12 to 18 inches apart. 2 to 3 ft. seedlings, not transplanted, 10, \$2.00; 50, \$7.50; 100, \$13.50.

ELM (Ulmus)

3 Quick Growing Varieties

American Elm, Moline Type. 80 to 100 ft. Exceedingly large foliage. Of upright habit. Splendid tree for the street or for small yards.

American Elm, Vase Type. 80 to 100 ft. A true vase-shaped tree.

Chinese or Siberian Elm (U. Pumila). 75 ft. On account of its rapid growth, resistance to disease and ability to thrive in almost any situation, this is one of the most popular trees in America.
(Prices of the above 3 Elm Trees as follows:)

Height	Caliper	Each	3 for
8 to 10 ft.	1 to 1 1/4 inch	\$3.75	\$10.50
8 to 10 ft.	1 1/4 to 1 1/2 inch	4.50	12.75
10 to 12 ft.	1 1/2 to 1 3/4 inch	5.00	13.50
10 to 12 ft.	1 3/4 to 2 inch	5.50	15.75

Larger sizes, prices on application.

FIREBUSH OR FLOWERING QUINCE

Cydonia Japonica. 4 to 5 ft. Brilliant orange-scarlet flowers in April, followed by yellowish green, quince-shaped, fragrant fruits. 18 to 24 in., \$1.10. 3, \$2.95; 2 to 3 ft., \$1.25; 3, \$3.60.

FRINGETREE

White Fringetree (Chionanthus Virginica). 9 to 15 ft. In late May or early June a thick white mist of pendant fringe-like flowers, mixing with large leathery leaves, present a unique sight. Valued as a lawn specimen. 3 to 4 ft., \$1.65.

GOLDEN BELL (Forsythia)

Border Forsythia (F. Intermedia). 6 to 8 ft. Bright golden yellow flowers in early spring. 3 to 4 ft., \$1.00; 3, \$2.75; 10, \$8.50; 4 to 5 ft., \$1.15; 3, \$3.00; 10, \$9.00.

Showy Border Golden Bell (Forsythia Intermedia Spectabilis). 6 to 8 ft. Its large, rich, yellow blossoms completely cover the wide spreading branches in early spring. 3 to 4 ft., \$1.10; 3, \$2.95; 4 to 5 ft., \$1.25; 3, \$3.60; 10 ft., \$11.00.

Spring Glory. 5 to 8 ft. The loveliest of all Golden Bells and the most prolific, its attractive large pale yellow flowers completely covering the bushes in early spring. 2 to 3 ft., \$1.50; 3, \$4.00.

HAWTHORN (Crataegus)

Paul's Double Scarlet Hawthorn (C. Oxyacantha Splendens). 12 to 15 ft. Very showy blossoms of bright scarlet color, large, full and very double. 4 to 5 ft., \$4.00; 3, \$11.25.

HEATHERMINT (Elsholtzia Stauntoni).

3 to 4 ft. Produces attractive spikes of reddish purple flowers, resembling heather; September and October. The leaves of the plant, when bruised, emit a mint fragrance. Plant in a sunny location. 18 to 24 in., \$1.00; 3 for \$2.75; 10, \$8.50.

HONEYLOCUST (Gleditsia)

Thornless Honeylocust (G. Triacanthos Inermis). 50 to 70 ft. A large, vigorous tree with spreading branches, thornless or nearly so, and handsome feathery fern-like leaves. Good for yard or street planting and will withstand the dust and smoke of a city well. Thrives in any soil and will endure drought. 8 to 10 ft., 1 to 1 1/4 in. caliper, \$3.00; 8 to 10 ft., 1 1/4 to 1 1/2 caliper, \$4.00; 8 to 10 ft., 1 1/2 to 1 3/4 in. caliper, \$4.75.

We cannot ship Almonds, Chokeberries, Bush Cherries, Flowering Crabs (Malus), Firebush, Hawthorns or Prunus into or West of the States of Idaho, Colorado and Arizona, on account of government restrictions.

HONEYSUCKLE (Lonicera)

Blueleaf H. (L. Korolkowi Floribunda). 10 ft. Twiggy growth, arching in habit with a mass of gray-green foliage. The delicate pink flowers are carried high on the plants and produce a misty effect. Orange red fruits. 3 to 4 ft., \$1.25; 3, \$3.60; 10, \$11.00.

Tatarian Honeysuckle. 9 to 10 ft. One of our best shrubs for screen and border plantings. Pink, or Red. 3 to 4 ft., \$1.00; 3, \$2.75; 10, \$8.50; 4 to 5 ft., \$1.10; 3, \$2.95; 10, \$9.00.

Zabel Red H. (L. Korolkowi Zabeli). 10 ft. A dense upright growing shrub. This variety produces a grand display of red flowers in spring followed by red fruits in summer. It is probably the darkest colored bush honeysuckle. 2 to 3 ft., \$1.00; 3, \$2.70; 10, \$8.50.

for the Home Landscape

HYDRANGEA

Peegee Hydrangea (H. Paniculata Grandiflora). 8 to 10 ft. Immense panicles of bloom a foot long, white turning to rose, commencing to bloom in August. 18 to 24 in., \$1.10; 3, \$2.95; 10, \$9.00.

Blue Hydrangea. 2 ft. Blooms of deep and intense blue last for a long time in late summer. Will grow in sun or light shade. Protect during winter in colder climates. Use a little alum when planting to assure the best color. 2 yr., \$1.95; 3, \$5.25.

LILAC SPECIES

Common Purple Lilac (Syringa Vulg. Purpurea). 12 to 15 ft. The old-fashioned Lilac. It is hardy and vigorous, endures neglect and blooms abundantly. Purple flowers early in May. 2 to 3 ft., \$1.00; 3, \$2.75; 10, \$8.50; 3 to 4 ft., \$1.25; 3, \$3.60.

Persian Purple (Syringa Persica). 8 to 10 ft. The most graceful and freely flowering of the Lilacs, with purple-lavender flowers, in loose panicles. 2 to 3 ft., \$1.00; 3, \$2.75; 10, \$8.50; 3 to 4 ft., \$1.35; 3, \$3.75.

Lilac (Syringa Japonica). 15 to 20 ft. The last of the Lilacs to bloom, bearing its small creamy-white flowers in upright clusters from 12 to 18 inches long in June and July. 3 to 4 ft., \$1.50; 3, \$4.00.

FRENCH HYBRID LILACS (Syringa)

Belle de Nancy. Double satiny rose; white center; fragrant. 2 to 3 ft.; 3 to 4 ft.

Charles Joly. Double wine-red with silvery reverse. 18 to 24 in.; 2 to 3 ft.

Charles X. Single reddish-purple. Fast growing. Fragrant. 3 to 4 ft.; 4 to 5 ft.

Marie Legraye. Very beautiful single pure white. Fine cut-flower. 3 to 4 ft.; 4 to 5 ft.

Mme. Lemoine. Fine double white. 18 to 24 in.

Pres. Grevy. Large compact clusters of very fine double blue. 18 to 24 in.

Prices of above 6 varieties (sizes which we have to offer noted after each variety). 18 to 24 in., \$1.35; 3, \$3.75; 2 to 3 ft., \$1.75; 3, \$4.50; 3 to 4 ft., bushy each, \$2.50; 3 for \$6.75; 4 to 5 ft., bushy, each \$4.00; 3 for \$10.00.

OUTSTANDING LILAC NOVELTIES

Edith Cavell. Very showy, double creamy white flowers in long panicles. 2 to 3 ft.; 3 to 4 ft.

Lucie Ballet. Buds coppery old rose; flowers flesh-pink. Unusual and beautiful. 3 to 4 ft.; 4 to 5 ft.

Monge. Single red of unusual beauty. Makes a spectacular show in the garden. Dwarf. 2 to 3 ft.

Vestale. Perfectly shaped, single white. 18 to 24 in.

Prices of the above 4 Outstanding Lilac Novelties (sizes which we have to offer noted after each variety). 18 to 24 in., \$1.75; 3, \$4.50; 2 to 3 ft., \$3.00; 3, \$7.50; 3 to 4 ft., \$4.00; 3, \$10.50; 4 to 5 ft., \$5.00; 3, \$12.50.



HYBRID BLUEBERRIES

MAGNOLIA

Lenne Magnolia (M. Soulangeana Lennei). 20 ft. Similar to the Saucer Magnolia, except its flowers are deep crimson on the outside and it blooms 2 weeks later. 3 to 4 ft., B. & B., \$12.00; 4 to 5 ft., \$15.00.

Saucer Magnolia (M. Soulangeana). 20 ft. Flowers come before the long glossy leaves, and are 3 to 5 inches across, cup-shaped, rosy pink when in bud. A full-sized tree is a bouquet of thousands of showy flowers, not surpassed by any other tree in effectiveness. 3 to 4 ft., B. & B., \$12.00; 4 to 5 ft., B. & B., \$15.00.

Star Magnolia (M. Stellata). 12 ft. The first Magnolia to blossom. No plant flowers more freely, and in early spring its semi-double, snow-white flowers of starry form appear in countless numbers and attract attention on all sides. 18 to 24 in., B. & B., \$10.00; 2 to 2½ ft., B. & B., \$12.50.

MOUNTAIN ASH (Sorbus)

European Mountain Ash (S. Aucuparia). 25 to 30 ft. A handsome tree with compound leaves of dark green turning to a golden yellow in autumn. The white flowers are followed in fall by large clusters of bright red berries. 8 to 10 ft., \$4.50.

Oakleaf Mountain Ash (S. Quercifolia). 20 to 25 ft. Upright, rather pyramidal tree with attractive foliage and berries. 8 to 10 ft., \$4.50.

MAPLE (Acer)

Columnar Norway Maple (Acer Platanoides Columnare). 50-60 ft. Compact columnar form of the Norway Maple. 8 to 10 ft., \$6.50; 3, \$18.75.

Norway Maple (Acer Platanoides). 50 to 75 ft. A large and handsome tree with spreading branches, and compact, round head. Broad, dark green foliage, fading with tones of yellow and gold in autumn. 8 to 10 ft., 1 to 1½ in. caliper, \$5.00; 3, \$14.25; 8 to 10 ft., 1½ to 1½ in. caliper, \$6.50; 3, \$16.95. Larger sizes, prices on application.

Schwedler Maple (Acer Platanoides Schwedleri). 40 to 60 ft. Gleaming red and purple leaves in spring, changing to dark green during summer. 8 to 10 ft. whips, \$4.50; 3, \$12.75.

MOCK ORANGE (Philadelphus)

Bannier. 5 to 6 ft. The earliest flowering of the Mockoranges, blooming 10 days before Virginal. Very fragrant, semi-double, waxy-white flowers of large size. 2 to 3 ft., \$1.25; 3 for \$3.60.

Common Mock Orange. 7 to 10 ft. The free flowering single white found in the old-fashioned gardens of rapid growth, forming a large bush. 3 to 4 ft., \$1.10; 3, \$2.95; 10, \$9.00; 4 to 5 ft., \$1.25; 3, \$3.60; 10, \$11.00.

Innocence. 5 ft. Long arched branches carrying a wealth of large single flowers of the purest white assuming the appearance of snowy sheaves of bloom. 3 to 4 ft., \$2.00; 3 for \$5.25.

Virginalis. 7 to 8 ft. One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet, being completely covered with extra large, single and semi-double flowers that are pure white and sweet-scented. It has a long blooming season, the new wood producing large individual flowers often 3 inches across, throughout the summer. 2 to 3 ft., \$1.25; 3 for \$3.60; 3 to 4 ft., \$1.65; 3, \$4.75.

PRIVET HEDGE (Ligustrum)

Amur Privet (L. Amurensis). 12 ft. One of the best hardy hedge plants. May be sheared to any extent. 18 to 24 in., 10, \$2.50; 100, \$22.50; 2 to 3 ft., 45c; 10, \$3.50; 100, \$32.50.

PLUM (Prunus)

Double Flowering Plum (P. Triloba). 7 to 8 ft. Double flowers of a delicate pink, upwards of an inch in diameter, thickly set on long, slender branches; flowers in May. 2 to 3 ft., \$1.50.

Newport Purple-Leaf Plum (Prunus Cerasifera Newport). 12 to 15 ft. A small tree shrub. The leaves, when young, are lustrous crimson, changing to a dark purple and retain this beautiful tint until they drop, late in autumn. The tree is covered early in spring with small, single pink flowers, which appear before the leaves. 3 to 4 ft., \$2.25.

ROSE OF SHARON

Hibiscus or Shrub Althaea. 6 to 12 ft. An upright shrub; blooming in August and September. The flowers resemble those of the hollyhock, and are very showy. Double pink, purple, red, or white. 3 to 4 ft., \$1.10; 3, \$2.95.

HYBRID RUGOSA ROSES

Hansa. 5 to 6 ft. Double, reddish-violet flowers of large size, freely produced. Very sweet scented. 2 yr., \$1.35; 3, \$3.75.

F. J. Grootendorst. 5 to 6 ft. The flowers are bright red, beautifully fringed, and produced in clusters. It blooms from early summer until frost. 2 year, \$1.50; 3 \$4.25.

GOLDEN ROSE OF CHINA

Rosa Hugonis. 6 ft. Excellent hardy rose that makes a spectacular show when its long arching branches are thickly set with lovely single yellow flowers in May. 2 yr., \$1.50; 3, \$4.25.

SNOWBALL

Clove-scented Snowball (Viburnum Carlesi). 4 ft. This dwarf, compact shrub, bearing large corymbs of delicate pale rose blossoms, tinted white, has a delicious clove-scented fragrance. Hardy, but best planted in a somewhat sheltered position. 18 to 24 in., \$3.25.

Gardenia-scented Snowball (Viburnum Burkwodii). 5 ft. This new garden aristocrat is fast growing, semi-evergreen and bears its very fragrant, waxy, pinkish-white flowers in round, domed clusters in early spring. Foliage is rich, glossy green, brilliantly tinted in autumn. 18 to 24 in., \$3.00.

Old-Fashioned Snowball (V. Opulus Sterile). 8 to 10 ft. Large balls of white flowers in May. 2 to 3 ft., \$1.00; 3, \$2.75; 3 to 4 ft., \$1.25; 3, \$3.50.

SNOWGARLAND

Spiraea Arguta Multiflora. 4 to 5 ft. Showy shrub with leaves of narrow, bright green, fading with tones of yellow and orange in fall. Flowers are small, pure white, and are borne in early spring in such profusion that the whole shrub appears laden with snow. 3 to 4 ft., \$1.00; 3, \$2.70; 10, \$8.50.

EVERBLOOMING SPIRAEA

Spiraea Froebeli. 3 ft. Round, flat clusters of rosy-pink flowers from June to October. Beautiful foliage all season. One of our best low growing shrubs for general use and for flowering hedges. 18 to 24 in., 90c; 3, \$2.50; 10, \$7.50; 24 to 30 in., \$1.00; 3, \$2.75; 10, \$8.50.

Spiraea Anthony Waterer. 2½ ft. Flat clusters of rosy-crimson flowers throughout the summer and fall. 15 to 18 in., 85c; 3, \$2.40; 10, \$7.00; 18 to 24 in., \$1.00; 3, \$2.75; 10, \$8.50.

WILLOW (Salix)

French Pussy Willow (S. Caprea). 10 to 15 ft. Small tree or large shrub with handsome fur-like catkins which appear in early spring before the leaves. 3 to 4 ft., \$1.25; 3 for \$3.60.

Wisconsin Weeping Willow (S. Blanda). 30 to 40 ft. Wavy, bright green foliage borne on slender, pendent branches. 6 to 8 ft., \$3.25.

WINTERCREEPER (Euonymus)

Bigleaf Wintercreeper (Euonymus Radicans Vegetus). This hardy evergreen trailer has round leaves and is sometimes called "Evergreen Bittersweet" on account of its gorgeous red berries, which are resplendent all winter against a rich deep evergreen foliage. Makes a useful ground cover or will climb on brick or stone. 12 to 15 in., \$1.75; 3, \$4.75.

WITCHHAZEL (Hamamelis)

Common Witchhazel (H. Virginica). 10 to 12 ft. Singular bright yellow flowers in late fall, often after the leaves have fallen. 3 to 4 ft., \$1.75.

Winter-Blooming Witchhazel (Hamamelis Vernalis). 5 to 6 ft. Blossoms as early as January and will continue to bloom for a long time, opening during the mild weather and closing when the temperature drops. The flowers come in profusion, have a spicy fragrance, and vary from bright yellow to shades of old gold, reddish brown and maroon. It gives the best results when planted in a sheltered place well open to the winter sun. 3 to 4 ft., \$2.00; 4 to 5 ft., \$2.50.

VITEX MACROPHYLLA

3 to 4 ft. Very attractive shrub with handsome dark green foliage and attractive bright lavender-blue flowers produced from June until frost. 18 to 24 in., \$1.25; 3, \$3.60.

WEIGELA (Diervilla)

Rosea. 6 ft. Very floriferous, producing quantities of large, showy, trumpet-shaped pink flowers in June. 2 to 3 ft., \$1.10; 3, \$3.00; 3 to 4 ft., \$1.25; 3, \$3.60.

Bristol Ruby. (Plant Patent No. 492.) 6 ft. Splendid new variety that blooms profusely in June and early July and occasionally later in the season. Color in effect is a soft ruby-red shading to garnet-crimson. 2 to 3 ft., \$1.65; 3, \$4.50.

Vaughan's Nursery Price List

Listing our complete assortment of ornamental shrubs, shade trees, evergreens, small fruits, and fruit trees will be sent free on request. Ready about March 1st.

Hardy Climbing Vines

LARGE-FLOWERING CLEMATIS

Henryi. Pure white flowers, usually eight-petaled, and often 6 to 8 inches in diameter.

Jackmani. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion.

Mme. Edward Andre. Very beautiful bright velvety red, free-flowering and continuous bloomer.

Ramona. An extra good variety that gives plenty of bloom of a distinct shade of light lavender blue.

Prices of the above 4 varieties: 2-year, each, \$1.35.

Gold Medal Collection. One each Jackmani, Henryi and Mme. Edward Andre, 2-year for \$3.85.

FIVE FINE NEW CLEMATIS

Comtesse de Bouchaud. Beautiful flowers with gracefully curved petals of satiny rose. Blooms from July to Sept. Very distinct. 2 yr., \$1.65.

Crimson Star. (Patent Applied For). This new Jackmani Hybrid has more and larger blooms of rich blood-red color on vines of unusual vigor. \$1.75.

Lord Neville. Very dark, velvety blue-purple. Exquisite in color, with petals rich in texture. Has a long blooming season. 2 yr., \$1.65.

Prins Hendrik. Of rare orchid-like beauty, with gorgeous azure-blue, ruffled petals, often 7 inches in diameter. Blooms from June until frost. \$1.75.

Deluxe Collection: One each of Comtesse de Bouchaud, Crimson Star, and Lord Neville. 2-year, for \$4.75.

VARIOUS SPECIES OF CLEMATIS

Duchess of Albany (New). Vigorous sprays of gorgeous pink trumpet-shaped flowers about 3½ to 4 inches long. Blooms from July to September. Flowers will last two weeks when cut. 2 yr., \$1.75.

Sweet Autumn Clematis (Clematis Paniculata). The flowers are pure white, deliciously fragrant and produced with the greatest freedom in September. The most popular of all the small-flowered vines. 2 yr., \$1.00; 3 for \$2.75.

BITTERSWEET (Celastrus Scandens)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. Succeeds well in shade. We recommend planting 2 or more in a group. 2 yr., \$1.00; 3 for \$2.50.

CREEPER (Ampelopsis)

Boston Ivy (Ampelopsis Tricuspida or Veitchii). The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 year, 85c; 3 for \$2.40; doz., \$8.50; 3 year, \$1.00, 3 for \$2.75.

DUTCHMAN'S PIPE

Aristolochia Siph. A vigorous growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Its large, rich glossy, dark green heart-shaped leaves give a tropical foliage effect and produce a splendid shade. It is very hardy and thrives in sun or shade. 2 yr., grafted, \$1.65.

HONEYSUCKLE (Lonicera)

Everblooming Honeysuckle (Lonicera Heckrotti). Remarkable for large size and distinct appearance of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., \$1.10; 3 for \$3.00.

Hall's Honeysuckle (Lonicera Japonica Halleana). One of the finest of all vines. Almost evergreen, with very fragrant, pure white flowers, changing to yellow, in late summer and fall. 2 yr., 75c; 3 for \$2.00; doz., \$7.50.

SILVER LACE VINE

Polygonum Auberti. Of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. 2 yr., \$1.10; 3 for \$3.00.

TRUMPET CREEPER

Bignonia Radicans. A robust, tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. Useful wherever a showy flowering vine is desired. Will cling to wood. 2 yr., 75c; 3 for \$1.95.

Bignonia Mme. Galen. A more dwarf form of the above with immense flower clusters, often exceeding 15 inches in length. 2 yr., grafted, \$1.35; 3 for \$3.75.

WISTARIA

Chinese Wistaria (Wistaria Sinensis). Blooms very profusely early in summer; flowers violet-blue in long pendulous clusters. Our plants are propagated from blooming wood. 2 yr., grafted, \$1.35.

Pink Wistaria (Wistaria Multijuga Rosea). The queen of the Wistarias. Vigorous growing, with extremely long, full clusters of beautiful pink flowers. No. 1, grafted, \$1.50; 3 for \$4.00.

White Chinese Wistaria (Wistaria Sinensis Alba). Pure white, very fragrant, 2 yr. grafted, \$1.35.

All prices f. o. b. our nurseries,
Western Springs, Ill.

If wanted by Parcel Post, add 10c for 1 plant
20c for 3 plants for postage.



CLEMATIS Jackmani.

Vaughan's Evergreens

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.

When Personal Selection of Stock is made, We Charge for According to Its Value.

ARBORVITAE (Thuja)

Globe Arborvitae (T. Occidentalis Globosa). A round, compact form with deep green foliage. 12 in., \$2.50; 15 in., \$3.00; 18 in., \$3.50.

Pyramidal Arborvitae (T. Occidentalis Pyramidalis). A compact, narrow pyramidal tree. 3½ to 4 ft., \$4.75; 4 to 4½ ft., \$5.50; 4½ to 5 ft., \$6.50; 5 to 5½ ft., \$7.00.

JUNIPER (Juniperus)

Andorra Juniper (J. Horizontalis Plumosa). Of prostrate habit; foliage bright green in summer, rich reddish purple in winter. 18 to 24 in., \$4.00; 3½ to 4 ft., \$9.00.

Burk Redcedar (J. Virg. Burki). An improved form of Silver Redcedar. 3½ to 4 ft., \$8.00; 4 to 4½ ft., \$9.50; 4½ to 5 ft., \$11.00.

Canadian Juniper (J. Canadensis). Dwarf evergreen of erect habit; grayish green foliage. 18 to 24 in., \$2.75; 2 to 2½ ft., \$3.50.

Cannart Redcedar (J. Virg. Cannarti). Fine Pyramidal form with heavily tufted deep green foliage. 3 to 3½ ft., \$6.75; 3½ to 4 ft., \$8.00; 4 to 4½ ft., \$9.50; 4½ to 5 ft., \$11.00.

Dundee Juniper (J. Virg. Hilli). Dense conical form; bluish gray-green foliage, plum colored in winter. 4½ to 5 ft., \$10.50; 5 to 5½ ft., \$12.00; 5½ to 6 ft., \$14.00.

Keteleer Juniper (J. Chin. Keteleeri). Similar to Cannart Redcedar, but of more open growth and pyramidal habit. 2½ to 3 ft., \$6.00; 3 to 3½ ft., \$7.00; 3½ to 4 ft., \$8.00; 4 to 4½ ft., \$9.50; 4½ to 5 ft., \$11.00; 5 to 5½ ft., \$12.50.

Pfitzer Juniper (J. Chin. Pfitzeriana). One of the best Junipers. Of broad, bushy growth, with thick, rich green foliage. 5 to 18 in., \$2.75; 18 to 24 in., \$3.75; 2 to 2½ ft., \$5.50; 2½ to 3 ft., \$7.00; 3 to 3½ ft., \$8.50; 3½ to 4 ft., \$10.00.

Redcedar (J. Virginiana). Tall growing, one of the best known evergreens. 3 to 3½ ft., \$4.00; 3½ to 4 ft., \$4.50; 4 to 4½ ft., \$6.50; 4½ to 5 ft., \$7.00.

Savin Juniper (J. Sabina). A dwarf evergreen with semi-erect spreading branches. 18 to 24 in., \$3.50; 2 to 2½ ft., \$4.00; 2½ to 3 ft., \$4.50.

Silver Redcedar (J. Virg. Glauca). One of our choicest evergreens with attractive blue tinged foliage. 3½ to 4 ft., \$8.00; 4 to 4½ ft., \$9.50; 4½ to 5 ft., \$11.00; 5 to 5½ ft., \$12.50; 5½ to 6 ft., \$13.50; 6 to 6½ ft., \$15.00.

Von Ebron Savin Juniper (J. Sabina Von Ebron). Semi-spreading; very dark green foliage. 18 to 24 in., \$3.50; 2 to 2½ ft., \$4.75; 2½ to 3 ft., \$6.00; 3 to 3½ ft., \$7.50.

Upright Von Ebron Savin Juniper. An upright form of the above. 2½ to 3 ft., \$6.00; 3 to 3½ ft., \$7.50; 3½ to 4 ft., \$8.00; 4 to 4½ ft., \$16.50; 7 to 7½ ft., \$18.00.

PINE (Pinus)

Austrian Pine (P. Nigra). A good tree for city planting. A distinctive variety with stout spreading branches and long rich green needles. 2½ to 3 ft., \$4.50; 3 to 3½ ft., \$5.25; 3½ to 4 ft., \$6.00; 4 to 4½ ft., \$7.50.

Mugho Pine (P. Mont. Mughus). Good low growing evergreen. 12 in., \$2.25; 15 in., \$3.50; 18 in., \$4.25; 2 ft., \$5.00; 2½ ft., \$6.00.

Red Pine (P. Resinosa). Ornamental vigorous tree with lustrous long needles. 2½ to 3 ft., \$4.50; 3 to 3½ ft., \$5.00; 3½ to 4 ft., \$6.00.

Scotch Pine (P. Sylvestris). A picturesque evergreen of rapid growth; valuable for windbreaks. 3 to 3½ ft., \$4.00; 3½ to 4 ft., \$5.00; 4 to 4½ ft., \$6.00.

EVERGREEN SPURGE

Pachysandra Terminalis. A low growing ground cover. The thick leathery green leaves hold on all winter. Excellent for a shady location, especially under trees where grass will not do well. It is well suited for growing between Evergreens. Pot plants, 3 for \$1.25; 10 for \$3.00; 100 for \$20.00.

SPRUCE (Picea)

Black Hill Spruce (P. Canadensis Albertiana). A very dense, compact growing spruce with green or bluish foliage. 2½ to 3 ft., \$6.00; 3 to 3½ ft., \$7.00; 3½ to 4 ft., \$8.00; 4 to 4½ ft., \$9.00; 4½ to 5 ft., \$10.25; 5 to 5½ ft., \$12.00.

Norway Spruce (P. Excelsa). A pyramidal tree of rapid growth and dark green foliage. 18 to 24 in., \$2.25; 2 to 2½ ft., \$2.75; 2½ to 3 ft., \$3.50.

Colorado Blue Spruce (Picea Pungens Glauca). The abundance of heavy rich silvery blue foliage makes this variety a most impressive and popular evergreen. Splendid for specimen planting. 3 to 3½ ft., \$9.00; 3½ to 4 ft., \$10.50; 5 to 5½ ft., \$18.50; 5½ to 6 ft., \$20.00; 6 to 6½ ft., \$22.50; 6½ to 7 ft., \$25.00.

YEW (Taxus)

Spreading Yew (T. Cuspida). Of dense, spreading growth, with heavy, dark green foliage. 15 to 18 in., \$6.00; 18 to 24 in., \$8.50; 2 to 2½ ft., \$10.00; 2½ to 3 ft., \$14.00; 3 to 3½ ft., \$17.50; 3½ to 4 ft., \$22.50.

Upright Yew (T. Cusp. Capitata). An upright or pyramidal form with glossy, deep green foliage. 18 to 24 in., \$6.50; 2 ft., \$8.00; 2½ ft., \$10.00; 3 ft., \$18.00; 3½ ft., \$22.50; 4 ft., \$25.00.

Hick's Yew (T. Media Hicksi). A distinct columnar form with rich, deep green foliage. 2 ft., \$6.00; 2½ ft., \$8.50.

For prices on larger sizes and other varieties ask for our nursery price list, ready about March 1st.

Explanation of Table Below: Numbers prefixed with **B**, Bulbs; **P**, Plants; **R**, Roots; **S**, Seeds.

105

CABLE ADDRESS
VAUGHAN, CHICAGO
CAROTIDA, NEW YORK

Vaughan's Seed Store

NEW YORK 7,
47-49 BARCLAY ST.

NURSERIES,
WESTERN SPRINGS, ILL.

GENERAL OFFICES AND WAREHOUSES
601-609 WEST JACKSON BLVD., CHICAGO 6, ILL.

CHICAGO LOOP STORE
10-12 W. RANDOLPH ST.

How to Order

DELIVERY

How to Order: Please follow these instructions, and fill out order sheets carefully. Give correct address, with Delivery Zone, if you are in a large city.

Seed and Bulb Orders: Write quantities distinctly in the column provided and attach prices.

Plant and Tree Orders: State quantity, size or age of each variety, with prices attached.

C. O. D. Orders: Because the post office fee for collection on a C.O.D. order which the customer must pay, is out of proportion on small orders, we must decline to accept any C.O.D. order for less than \$5.00. We make no C.O.D. shipments unless one-third of amount is paid in cash with order. No bulbs, trees, plants or other perishable stock, are sent C.O.D.

Remittance: Please remit by money order or certified check. Do not send currency unless registered.

Mistakes: If there is any error in filling your order, write us at once returning your order if a paid order or your invoice if a charge order, for quick investigation.

Express Shipments: General orders for garden seeds with heavy weights of corn, beans, fertilizers, etc., should go by express, freight, or truck, also all shipments containing breakables. Orders over 5 lbs. going to 5th Zone travel cheaper by express than parcel post.

All Trees, Shrubs, Bulbs and Hardy Plants are shipped as soon as weather permits. Tender plants from Greenhouses for bedding, etc., are shipped usually after May 15th. (Southern shipments any time after February.) State plainly date and manner of shipping you wish.

Parcel Post: Fourth Class Mail Matter, which includes seeds, plants, bulbs, roots, books, tools, insecticides, odorless fertilizers and requisites may be forwarded by domestic parcel post within the United States.

DOMESTIC-PARCEL POST RATES		First pound or fraction	Each additional pound or fraction
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.			
Local—Chicago or New York City.....		8c	1c (2 lbs.)
First and Second Zone within 150 miles of either.....		9c	1.1c
Third Zone within 150 to 300 miles.....		10c	2c
Fourth Zone within 300 to 600 miles.....		11c	3.5c
Fifth Zone within 600 to 1000 miles.....		12c	5.3c
Sixth Zone within 1000 to 1400 miles.....		13c	7c
Seventh Zone within 1400 to 1800 miles.....		15c	9c
Eighth Zone all over 1800 miles.....		16c	11c
Canada.....		14c	14c

This includes tax on first 33c. For larger amounts add 3% which is the equivalent of 1c for each 33c of postage.

NOTE. A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent. Limit of weight for delivery to all zones 70 pounds; to Canada 15 lbs. If weight exceeds this, we will pack in 2 or 3 parcels (not more), provided money is remitted to cover postage. Mark your Zone Number on order.

All flower seeds prepaid.

All vegetable seeds up to 2 lbs. prepaid. Over 2 lbs., by express or freight at buyer's expense.

All bulbs and Dahlias, bought at single and dozen prices, are prepaid to fifth zone from Chicago or New York. Larger quantities by express at buyer's expense. Exceptions to this rule are specifically noted in the offers.

All Water Lilies by mail or express at buyer's expense, except where otherwise specifically stated.

All Roses, Trees, Shrubs are shipped from Western Springs at buyer's expense. Perennial Plants are shipped from Cleveland, Ohio, at buyer's expense.

All tools and supplies, including insecticides and fertilizers (except as specified on Page 88), are F. O. B. Chicago or New York and shipped at buyer's expense.

All lawn seed is prepaid to any part of the U. S. A.

Purchases for \$2.00 or more made at our loop store, 10 W. Randolph St., delivered free within a 25 mile radius except fertilizers and peat moss weighing more than 100 pounds, dog food and bird gravel, which items are shipped at buyer's expense. This offer is subject to change without notice.

■ These special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

Our Responsibility: It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially for seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

We wish it understood that all our stocks are sold under the following conditions:

VAUGHAN'S SEED STORE gives no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants it sells; nor does it warrant fertilizers other than in respect to data required of the seller by statutes. It is expressly agreed that the limit of liability for all claims for loss or damages due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it be responsible for loss or damage of the crop.

Parcel Post Rates By Zones

Vaughan's Seed Store at Chicago and New York covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

All parcels under 8 ounces are prepaid everywhere in the United States FREE. BUT seeds ordered at peck, bushel or five-pound rates, or bought in even larger quantities at cheaper prices, should go by freight or express, when possible, at buyer's expense.

To liberal orders from distant points WE ADD FREE, SPECIAL NEW VARIETIES of value to partly cover postage or express charges.

[illegible]

Six Outstanding Chrysanthemums,

\$2⁵⁰

Catalogue Value \$3.40, by Express Collect, or if wanted by Parcel Post, add 20c.



White Knight. Each, 60c; 3 for \$1.50.



Lavender Lady. Each, 60c; 3 for \$1.50.



Eureka Giant. Each, 55c; 3 for \$1.35.



Burma. Each, 55c; 3 for \$1.35.

One each of six early varieties, as illustrated: White Knight, Lavender Lady, Eureka Giant, Burma, Mandalay, Pink Charm. (Postage and packing, add 20c).

Eight Varieties Illustrated for ... \$3⁵⁰

All eight varieties illustrated, including one each of the above six, plus Rembrandt, and Pale Moon, Catalogue value \$4.60; for \$3.50. (Postage and packing, 25c).

CHOICE GARDEN VARIETIES

Barbara Small. Clear Rose Pink, 3-in. double. Blooms late September.

Gail S. A beautiful peach bronze. A fine addition to the early blooming group.

Olive Longland. A superior sort with big salmon orange blooms.

Polar Ice. Clear blue white flowers 2½ in. to 3 in. in diameter.

Ruby Pompom. Ruby crimson. More rich and glowing than other pompoms. Blooms early October.

Wm. Longland. Double bronze. 2½ in. flowers. Blooms from mid-September on.

Any of the above, 75c each; 3 for \$2.00.

COLLECTION No. 109. ONE EACH OF THE ABOVE (Postage and packing, 20c) **\$3⁸⁵**

Algonquin. One of the best, producing huge bright yellow flowers.

Cydonia. One of the brightest flowers of rich orange-mahogany shades.

Red Velvet. Deep dark crimson, holding color without fading.

Mrs. Pierre S. Dupont III. Soft peach tinted flowers with rosy-salmon and fawn shades. Very large and full.

Symphony. Mauve rose overcast. Soft coppery rose. Massive flowers on sturdy stems.

Any of the above 75c each, 3 for \$2.00.

COLLECTION No. 109A. ONE EACH OF THE ABOVE (postage and packing, 20c) **\$2⁹⁵**

NEW CUSHION OR AZALEA-LIKE VARIETIES

Hurley's Yellow Supreme. A new sulphur yellow of vigorous habit.

Serene. A new white. The flowers resist weather and stay bright for weeks.

Dwarf Jewel. Soft lavender flowers on compact cushion shaped plant.

Mystery Glorymum. Brilliant red flowers, much larger than usual cushion type.

Any of the above 75c each, 3 for \$2.00.

COLLECTION No. 109B. ONE EACH OF THE ABOVE. (Postage and packing, 16c) **\$2²⁵**

STANDARD CUSHIONS

White Cushion. Snow white flowers.

Yellow Cushion De Luxe. Brilliant golden yellow.

Pink Cushion. Bright pink flowers.

Red Cushion. A selected red flowering type.

Any of above, 60c each; 3 for \$1.50.

COLLECTION No. 109C. ONE EACH OF THE ABOVE (Postage and packing, 16c) **\$1⁸⁵**

SPOON FAMILY

Jasper Spoon. Bright bronze-red compact flowers.

Orchid Spoon. Clear orchid color, generous size.

Yellow Spoon. A distinctive lemon yellow.

Rose Spoon. A shining rose color that defies description.

Any of the above 65c each, 3 for \$1.75.

COLLECTION No. 109D. ONE EACH OF THE ABOVE (Postage and packing 16c) **\$2²⁰**

BUTTON OR POM-POM TYPE

Irene. A true white pom-pom type 1 in. to 1½ in. in diameter. Blooms in September.

Yellow Jewel. Ball shaped flowers of a pleasing yellow shade.

Lavender Lassie. A counterpart of Lavender Lady in pom-pom form. Cushion-like habit.

Purple Jewel. A prolific bloomer of deep purple flowers.

Any of above, 60c each; 3 for \$1.50.

COLLECTION No. 109E. ONE EACH OF THE ABOVE (Postage and packing, 16c) **\$1⁹⁵**

AVALANCHE

This variety easily takes its place among the best whites that we have ever seen. The flowers are very large, measuring 4 inches across. The flower petals are long, ray-like, and numerous, that occur in so good numbers that the effect is richly textured. It is a perfect cut flower type; early, free-flowering, tall and sturdy stemmed.

Each 75c; 3 for \$2.00.



Mandalay. Each, 55c; 3 for \$1.35.



Pink Charm. Each, 55c; 3 for \$1.35.



Pale Moon. Each, 60c; 3 for \$1.50.



Rembrandt. Each, 60c; 3 for \$1.50.

Date of Shipmen

nial Plants:

Southern states, March 1st and on, order received. • In any case, subject to conditions. • Attention given to correct planting time in customer's area.

states, April 20th and on, in all other weather, and shipping company of plant to spread of



S. 16
S. 42
75
S. 23
S. 77
TUBI

- Wintred Walker -

GAILLARDIA
Vaughan's Giant
Double Sunshine.
Pat., 25c; 1/4 cz., 60c.